

# HEALTH AND HUMAN SERVICES, COLLEGE OF

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## Introduction

The College of Health and Human Services prepares students for careers in health, wellness, teacher preparation, and social and consumer services. Our accredited graduate and undergraduate programs offer state-of-the-art curriculum through which departments/schools provide optimal learning opportunities in the classroom, in the research laboratory, and in the community.

The College's two schools, nine departments, three programs, and twelve research centers are housed within twelve buildings on campus with state-of-the-art classrooms, laboratories, and clinics with equipment matching that of business/industry.

## Programs at a Glance

Bachelor of Arts:

- Family and Consumer Sciences
- Kinesiology
- Recreation
- Social Work
- Speech-Language Pathology

Bachelor of Science:

- Athletic Training
- Criminal Justice
- Dietetics and Food Administration
- Health Care Administration
- Health Science
- Hospitality Foodservice and Hotel Management
- Kinesiology
- Nursing

Master of Arts:

- Family and Consumer Sciences
- Kinesiology
- Speech-Language Pathology

Master of Science:

- Criminal Justice
- Emergency Services Administration
- Gerontology
- Health Care Administration
- Health Science
- Kinesiology
- Nursing
- Nursing / Public Health
- Nursing / Health Care Administration
- Nutritional Science
- Recreation Administration

Master of Public Administration

Master of Public Health: Community Health Education

Master of Social Work

Doctor of Nursing Practice

Doctor of Physical Therapy

## Certificates

- Gerontology
- Health Care Administration
- Latino Health and Nutrition Studies (graduate)
- Nurse Practitioner (graduate)
- Public Management Analyst (graduate)
- Public Sector Employer-Employee Relations and Personnel Management (graduate)
- Public Sector Financial Management (graduate)
- Therapeutic Recreation
- Transportation Policy and Planning (graduate)
- Urban Executive Management (graduate)
- Wilderness Studies (discontinuance in progress)

## Credentials

Single Subject Teaching Credentials: Home Economics, Health Science, and Kinesiology/Physical Education.

Services credentials are offered in Communicative Disorders (Public Education Speech-language Pathology), Nursing (Health Service School Nurse), and Social Work (Pupil Personnel – Child Welfare and Attendance).

## Professional Accreditations

Programs in the College are accredited by the following state and national accrediting agencies:

American Association of Colleges of Nursing, American Association of Family and Consumer Sciences, Academy of Nutrition and Dietetics, American Physical Therapy Association, American Public Works Association (APWA), American Speech Language and Hearing Association, Association of University Programs in Health Administration, California Commission for Teacher Credentialing, California Council on Parks and Recreation, California State Board of Registered Nursing, California Teaching Commission, Commission on Accreditation of Allied Health Education Programs, Council on Education for Public Health, Council on Hotel, Restaurant, and Institutional Education, Council on Social Work Education, National Association for the Education of Young Children, National Association of Schools of Public Affairs and Administration (NASPAA), National Council for Accreditation of Teacher Education, National Recreation and Park Association Council on Accreditation, Western Institute of Nursing.

## Special Interest Clubs

Archers, Army ROTC Association, Army ROTC Rangers (AROTC), California Nursing Student Association, Child and Family Associated Students (CAFAS), Family and Consumer Sciences), Criminal Justice Student Association, Fitness Club, Foodservice and Hotel Management Association (Family and Consumer

Sciences), Health Care Administration Forum, Health Science Graduate Student Association, Kinesiology and Physical Education Majors Club, National Student Speech-Language-Hearing Association (Communicative Disorders), Peer Health Educators, Pershing Rifles (AROTC), Physical Therapy Student Association, Public Administration Student Association (PASA, Public Policy and Administration), Recreation and Leisure Studies Alumni Association (RALSAA), Recreation Society (Recreation and Leisure Studies), Social Dance Club, Consumer Affairs Student Association (Family and Consumer Sciences), Sports Medicine Club (Kinesiology), Student Affiliates of the American Kinesiotherapy Association (Kinesiology), Student Chapter of American Association of Family and Consumer Sciences, Student Dietetic Association (Family and Consumer Sciences), Student Food Science Society (Family and Consumer Sciences), Students Active in Community Health (Family and Consumer Sciences), Students in Fashion (Family and Consumer Sciences).

### Professional and Honors Organizations

Alpha Phi Sigma (Criminal Justice), American College of Healthcare Executives, California Association for Health, Epsilon Sigma Delta (Hospitality Foodservice and Hotel Management, Family and Consumer Sciences), Eta Sigma Gamma (Health Science), Kappa Omicron Nu (Family and Consumer Sciences), Phi Epsilon Kappa (Kinesiology), Pi Alpha Alpha (Public Policy and Administration), Recreation and Dance (CAHPERD), Sigma Phi Omega (National Academic and Professional Society in Gerontology), Sigma Theta Tau (Iota Eta Chapter, Nursing).

### College and Departmental Organizations

Asian Pacific Islanders Committee (Social Work), Associated Students of Social Work, California Nursing Student Association, Dunham/Cleveland Committee (Social Work), College of Health and Human Services Student Council, Gay, Lesbian, Transsexual, Transgender Committee (Social Work), Latino Student Network Committee (Social Work), National Association of Social Work Unit, Social Work Alumni Association.

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## Graduate Programs

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### Graduate Certificate in Latino Health and Nutrition Studies

This certificate focuses on enhancing the academic development and training of health and human service professionals to provide culturally and linguistically relevant care and education for the Latino population through their respective job placements. The certificate is comprised of 18 units. Components of the program include analysis of the health status and access issues affecting Latinos, development of culturally and linguistically relevant interventions, and implementation of chronic disease prevention best practices and community based participatory research. The certificate incorporates a

thorough overview of Latino health from early childhood development to the multiple chronic diseases that continue to impact this population. This program must be completed in conjunction with a CSULB degree program.

Interested students should contact Dr. Britt Rios-Ellis at 562-985-5312 or Britt.Rios-Ellis@csulb.edu.

### Prerequisites

1. Admission to an active CSULB graduate program.
2. A minimum overall GPA of 3.0 in a graduate program.
3. Must have completed (with a grade of "B" or better) the following undergraduate courses or equivalent:
  - HSC 401 Community Health Education (3)  
Prerequisite: H SC 301
  - HSC 403 Community Health Statistics (3)  
Prerequisite: GE Math and SOC 170 or PSY 110 (PSY 100 prereq) or STAT 108.
  - NUTR 132 Introductory Nutrition (3)  
Prerequisite/Corequisite: One Foundation course.
4. Completion of the Certificate Program Application.
5. One letter of reference.
6. Copies of academic transcripts (turned into the university).

### Requirements

1. A minimum overall GPA of 3.0 in certificate coursework.
2. A minimum of 6 units in certificate coursework completed per academic year.
3. Complete a minimum of 18 units in the required graduate courses:
  - HSC 507 Health Equity and Health Disparities Research in the US (3)  
Prerequisite: Undergraduate major in Health Science or related field.
  - FCS/HSC 534 Advanced Latino Nutrition, Health and Chronic Disease Prevention (3)  
Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.
  - FCS/HSC 537 Culturally Responsive Nutrition Promotion for Latinos (3)  
Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.
  - HHS 592A Internship in Latino Nutrition and Health Promotion (3)  
Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.
  - HHS 634 Advanced Latino Community Health (3)  
Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.
  - HHS 635 Latino Health Promotion and Disease Prevention: A Focus on the Child (3)  
Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.

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## Courses (HHS)

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### LOWER DIVISION

#### 190. Selected Topics (3)

Selected Topics

Prerequisites: None

Specific topics of current interest in Health and Human Services selected for intensive development. Topics are announced in the Schedule of Classes.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. (3 hours seminar)

#### 207. Interdisciplinary Approaches to Health Disparities (3)

Prerequisite: GE Foundation requirements or consent of instructor

This course covers the definition, prevalence, risk and protective factors, and interventions for health disparities among diverse populations. Using problem-based approaches, students will learn about discipline-specific and interdisciplinary methods to address common biomedical issues in a culturally relevant way.

Letter grade only (A-F). (3 hour lecture)

#### 288. Emergency Medical Technician (6)

Study and application of emergency medical technician skills. Assessment, care, communication, and ambulance operations for the sick and injured. Ambulance ride-along and hospital emergency room experience. Qualifying students take the NREMT exam to become a certified Emergency Medical Technician (EMT).

Letter grade only (A-F).

#### 290. Selected Topics (3)

Prerequisites: None

Specific topics of current interest in Health and Human Services selected for intensive development. Topics are announced in the Schedule of Classes.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. (3 hours seminar)

#### 296. Introduction to Research Methods (3)

Prerequisite: GE Foundation requirements or consent of instructor

Introduces topics for inquiry and analysis in behavioral and social science research. Historical events shaping current ethical standards for research guide research design, analysis, and reporting. Students learn observation and experimentation, hypotheses formulation and testing, measurement, analysis, and reporting.

Same course as CLA 296. Not open for credit to students with credit in CLA 296.

Letter grade only (A-F). (3 hours lecture)

### UPPER DIVISION

#### 361. Scientific Research Communication (3)

Prerequisite: G.E. foundation courses; score of 11 or higher on the GEAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GEAR Writing Intensive Capstone.

Introduction to technical writing for students pursuing research careers. Accessing and using research literature. Writing technical and research reports for various purposes and audiences. Oral presentation of research and scientific information. Includes intensive writing.

GE Status Pending

Letter grade only (A-F).

Same course as NSCI 361, CLA 361, and ENGR 361. Not open for credit to students with credit in NSCI 361, CLA 361, or ENGR 361.

#### 374. Professional Practice I: Professional Interactions (3)

Prerequisites: Consent of instructor

Self-awareness of how personality, learning preferences, and personal values affect professional interactions. Includes effective communication, conflict resolution, and eliciting patient values and goals. Also, communicating with patients who have experienced disability, sexual dysfunction, or issues with coping or dying.

Letter grade only (A-F). Lecture/Discussion 3 hours.

#### 390. Selected Topics (3)

Prerequisites: None

Specific topics of current interest in Health and Human Services selected for intensive development. Topics are announced in the Schedule of Classes.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. (3 hours seminar)

#### 401. Applied Anatomy I (3)

Prerequisite: BIOL 208 or equivalent.

Advanced study of structure and function of neuromusculoskeletal systems with emphasis on surface contour, myology and joint structure and neurovascular supply. Regional emphasis includes upper extremity head, neck and thorax. Includes dissection laboratory and provided materials.

Letter grade only (A-F). (Lecture/discussion 2 hours, lab 3 hours)  
Course fee may be required.

#### 402. Applied Anatomy II (3)

Prerequisites: BIOL 208 or equivalent; "B" or better in HHS 401.

Continuation of HHS 401, with emphasis on normal anatomy of lower extremities, pelvis, and abdominal region.

Letter grade only (A-F). (Lecture/discussion 2 hours, lab 3 hours)  
Course fee may be required.

#### 403. Tissue Mechanics and Aging (3)

Prerequisites: "B" or better in HHS 401 and BIOL 341 and consent of instructor.

Advanced study of tissue (bone, muscle, dense fibrous connective tissue, cartilage, nerve) mechanics and pathomechanics including use, disuse and aging with application to joint mechanics and therapeutic procedures.

Letter grade only (A-F). (Lecture/discussion 3 hours)

#### 460. Neuroanatomy (4)

Prerequisite: BIOL 341.

Investigation of human neuroanatomy with emphasis on the structure and function of the central nervous system (CNS), cranial nerves, and their connecting neural pathways relative to human function and movement. Neuroanatomical and vascular lesions will be discussed and correlated to common clinical conditions. Emphasis is on applying neuroanatomy for differential diagnosis.

Letter grade only (A-F). (Lecture/discussion 3 hours, lab 3 hours)

#### 471. Pathology (3)

Prerequisite: BIOL 208; Corequisite: BIOL 341.

Advanced study of abnormal function as result of disease. Includes general pathology and selected pathologies encompassing cardiovascular, pulmonary, musculoskeletal, peripheral and central nervous system, and integumentary systems.

Letter grade only (A-F). (Lecture/discussion 3 hours)

### **489. Beach Community Wellness Program: Leadership Development (3)**

Prerequisite: Consent of instructor.

This course provides students with experiences in design, implementation and evaluation of a comprehensive wellness program. Teaching, leadership, analysis, reflection, and reciprocity are the main focal points of this course. Embedded in the course is a service-learning component during which students will complete over 20 hours of service-learning.

(2 hours lecture, 2 hours activity)

Letter grade only (A-F)

### **490. Selected Topics (3)**

Prerequisites: None

Specific topics of current interest in Health and Human Services selected for intensive development. Topics are announced in the Schedule of Classes.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. (3 hours seminar)

### **496. Advanced Behavioral Research Methods (3)**

Prerequisite: HHS361 or CLA361 or ENGR361 or NSCI361 or consent of instructor.

This course is designed to provide an in-depth knowledge of scientific research, emphasizing connection between research design and statistical analyses. The course covers literature review, hypothesis generation, types of research designs and conceptual approach to data analyses.

Letter Grade Only (A-F)

### **497. Independent Studies (1-3)**

Prerequisites: Consent of instructor, and for human dissection, one general introductory anatomy course, HHS 401 and 402.

Independent projects in any area of physical therapy. Human dissection is available as a special study.

Letter grade only (A-F). May be repeated to a maximum of 6 units.

### **592A. Internship in Latino Nutrition and Health Promotion (3)**

Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.

Provides a competency-based, service learning experience in which knowledge, understanding and theory are applied to real-life situations for skill-development of graduate students.

Letter grade only (A-F). May be repeated to a maximum of 6 units in different semesters.

### **634. Advanced Latino Community Health (3)**

Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.

Explores the structural-environmental, policy, epidemiological, cultural, and linguistic factors that influence disease and wellness within Latino subpopulations. Provides student with an interdisciplinary examination of the health status and health access issues facing diverse Latino communities in the United States.

Letter grade only (A-F).

### **635. Latino Health Promotion and Disease Prevention: A Focus on the Child (3)**

Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.

Explores factors that facilitate and inhibit wellness within Latino children through a culturally relevant and multidisciplinary lens. Latino children are the youngest, fastest growing U.S. demographic whose well-being is inextricably linked to the overall health of our nation.

Letter grade only (A-F).

# CHILD DEVELOPMENT AND FAMILY STUDIES

College of Health and Human Services  
Department of Family and Consumer Sciences

**Department Chair:** Wendy Reiboldt

**Department Office:** Family and Consumer Sciences (FCS) - 001  
Telephone / Fax: (562) 985-4484 / 985-4414  
Website: [www.csulb.edu/colleges/chhs/departments/fcs](http://www.csulb.edu/colleges/chhs/departments/fcs)

**Faculty:** Mariné Aghekyan, Michelle Barrack, Lee Blecher, Marie Botkin, Maria Claver, Gail C. Frank, Virginia Gray, Libby Gustin, Young Ha, HyeJeong Kim, James E. Koval, Peter Kreysa, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Cheryl Rock, Roudi Roy, Myunghee Sohn, Richard V. Tuveson, Long Wang, Jung-Mao (Ronnie) Yeh

**Baccalaureate Program Coordinator:** Richard V. Tuveson

**Graduate Coordinator:** Virginia Gray

**Administrative Support Coordinators:**

Mikal Lok, Marina Bendersky, Andrew Redmayne

**Instructional Support Technician:** Bonnie Rice

## Career Possibilities

Preschool Administrator • Family Life Educator • Child Life Specialist • Teen Pregnancy Counselor • Early Care Educator (Infant and Toddler Care, Preschool Teaching, School-Age Programs) • Child Development Consultant • Community Resource and Referral Professional • Parent Educator • Corporate Human Service Consultant • Working with Military Families • Toy Research and Development

A credential or graduate degree would expand employment opportunities to include: Social Worker • Marriage and Family Counselor • Community College Instructor • Highschool Counselor • Teacher (For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

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## Undergraduate Programs

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### Bachelor of Arts in Family and Consumer Sciences

This degree offers six options:

- Child Development and Family Studies
- Consumer Affairs
- Family and Consumer Sciences Education
- Family Life Education
- Fashion Design
- Fashion Merchandising

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Dietetics and Food Administration

This degree offers two options:

- Nutrition and Dietetics
- Food Science

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Hospitality Management

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Child Development and Family Studies

Child Development and Family Studies (CDFS) strives to improve the lives of children and families. As an integrative and interdisciplinary specialization, CDFS incorporates information from a variety of disciplines to provide a comprehensive academic and professional background for working with children and families. We use primary prevention to empower individuals and families in home and community settings.

### Option in Child Development and Family Studies (120 units)

Take all of the following courses:

PSY 100 General Psychology (3)

Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

CAFF 321 Family and Consumer Resource Management (3)

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

CDFS 111 Preschool Child (3)

Prerequisites: None.

CDFS 211 Guiding Young Children (3)

Prerequisites: A grade of "C" or better in PSY 100 or SOC 100 or CDFS 111.

CDFS 312 Family and Personal Development (3)

Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.

CDFS 411 Individual Child Study and Guidance (3)

Prerequisites: A grade of "C" or better in CDFS 311 or CDFS 314 or HDEV 307 or PSY 361; upper division standing; or consent of instructor.

CDFS 413 Child and Family in the Community (3)

Prerequisites: A grade of "C" or better in CDFS 312; upper division standing; or consent of instructor.

FCS 299 Intro to Family and Consumer Sciences (1)

Prerequisites: None.

Not open for credit to students with credit in FCSE 299.

FCS 499 Professionalism and Leadership in FCS (1)

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Not open for credit to students with credit in FCSE 499.

NUTR 132 Introductory Nutrition (3)

Prerequisites: Any GE Foundation course.

Take one of the following courses:

ANTH 120 Introduction to Cultural Anthropology (3)

Prerequisites: Any GE Foundation course.

Another approved Global Issues course (3)

Take one of the following pairs:

CDFS 214 Environments for Preschool Children (3)

Prerequisites: A grade of "C" or better in CDFS 111; or consent of instructor.

CDFS 414 Field Work with Preschool Children (3)

Prerequisites: A grade of "C" or better in CDFS 111, CDFS 211, CDFS 214; or consent of instructor.

or

CDFS 215 Environments for Infants and Toddlers (3)

Prerequisites: A grade of "C" or better in CDFS 111; or consent of instructor.

CDFS 415 Field Work with Infants/Toddlers (3)

Prerequisites: A grade of "C" or better in CDFS 111, CDFS 211, CDFS 215; or consent of instructor.

Take one of the following courses:

CDFS 311 Prenatal Development and Infancy (3)

Prerequisites: A grade of "C" or better in CDFS 111; upper division standing.

CDFS 314 The Older Child (3)

Prerequisites: A grade of "C" or better in CDFS 111; upper division standing; or consent of instructor.

Take one of the following courses:

FCS 392A Field Experience in Child Development and Family Studies (3)

Prerequisites: Upper division standing; major in Family and Consumer Sciences with an Option in Child Development and Family Studies; Consent of Instructor. Not open for credit to students with 6 units of FCSE 392. May not be taken concurrently with CDFS 492 A or CDFS 492B.

CDFS 492A Internship in Child Development and Family Studies (3)

Prerequisites: Student must be a Family and Consumer Sciences: Child Development and Family Studies major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Child Development and Family Studies; and CDFS 411, CDFS 413, and CDFS 414 or CDFS 415. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. Students receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. CDFS 492A may not be taken concurrently with CDFS 492B or FCS 392A.

CDFS 414 (2nd semester) Fieldwork with Preschool Children (3)

Prerequisites: A grade of "C" or better in CDFS 111, CDFS 211, CDFS 214; or consent of instructor.

CDFS 415 (2nd semester) Fieldwork with Infants/Toddlers (3)

Prerequisites: A grade of "C" or better in CDFS 111, CDFS 211, CDFS 215; or consent of instructor.

FCS 497 Directed Studies (3)

Prerequisites: Junior standing; consent of instructor. Not open for credit to students with credit in FCSE 497.

Take 9 units of advisor-approved electives. Three of the 9 units must be upper division.

Take 15 units from the following with advisor's approval:

CDFS 319, CDFS 402, CDFS 407, CDFS 408, CDFS 409, CDFS 410, CDFS 412, CDFS 416A, CDFS 416B, CDFS 418, CDFS 419, or CDFS courses not taken above.

Each course on the student's program planner must be

completed with a grade of "C" or higher. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with the approval of the Child Development and Family Studies Area Coordinator.

This degree option has been deemed "similar" to the Transfer Model Curriculum for Early Childhood Education and for Childhood Adolescent Development under the Student Transfer Agreement Reform Act (SB 1440-Padilla). Students who complete an approved A.A.-T or A.S.-T degree in Early Childhood Education or in Child and Adolescent Development at a California Community College can meet B.A. in FCS: Option in CDFS requirements with no more than 60 additional units. Contact a CDFS faculty advisor for assistance in program planning.

## Minor in Child Development and Family Studies

The Child Development and Family Studies (CDFS) minor offers the opportunity to take a concentration of courses focusing on children and families. By providing students with an aggregate of CDFS courses students will be better prepared careers relating to children and families in an array of settings.

### Requirements

Students seeking a minor in CDFS must meet all prerequisite course requirements. In addition, students must maintain a "C" or better in all courses required for the minor. The minor requires 21 total units.

The minor in Child Development and Family Studies is not available to Child Development and Family Studies majors.

Take 9 units of core courses from the following courses:

CDFS 111 Preschool Child (3)

Prerequisites: None.

CDFS 312 Family and Personal Development (3)

Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.

CDFS 319 Family Stress and Coping (3)

Prerequisites: GE Foundation requirements; ANTH 120 or PSY 100 or SOC 100 or consent of instructor; students must have scored 11 or higher on the GWAR Placement Examination or completed the necessary portfolio course that is a prerequisite for a GWAR Writing Intensive Capstone.

Take 12 units selected from the following courses:

CDFS 211, CDFS 214, CDFS 215, CDFS 311, CDFS 314, CDFS 409, CDFS 410, CDFS 411, CDFS 412, CDFS 413, CDFS 414, CDFS 415, CDFS 418.

## Family Life Education

This option is available in the Department of Family and Consumer Sciences. It was introduced in response to a certification process developed by the National Council on Family Relations (NCFR). NCFR is the leading national organization for professionals concerned with promoting and enhancing the quality of family life. NCFR sponsors the only national program to certify family life educators.

After completing the recommended preparatory course work in this department, it is possible to get two types of certification

from NCFR:

Provisional Certification from the National Council on Family Relations (NCFR) is available to students who complete the approved courses that correspond to the ten substance areas from an approved program, but without the minimum two years of work experience.

Full Certification from the NCFR is available to students who graduate from an approved academic program and have completed at least two years of work experience as a family life educator. The work experience of the student has to be submitted, reviewed, and approved by an NCFR review committee.

Interested students should contact the Family Life Education Coordinator, Dr. Nilufer P. Medora, Family and Consumer Sciences (562) 985-4488 or at medora@csulb.edu

### **Option in Family Life Education (120 units)**

This option provides an academic and professional background for work with children, adults, couples, and families. It offers an interdisciplinary foundation in several areas that influence and enhance the quality of life of children, adults, couples, and families based on education, enrichment and prevention. Fieldwork opportunities where students have direct experiences with individuals and families in the community are provided for qualified students.

#### **Requirements**

Take all of the following courses:

CDFS 111 Preschool Child (3)

Prerequisites: None.

CDFS 312 Family and Personal Development (3)

Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.

CDFS 319 Family Stress and Coping (3)

Prerequisites: GE Foundation requirements; ANTH 120 or PSY 100 or SOC 100 or consent of instructor; students must have scored 11 or higher on the GWAR Placement Examination or completed the necessary portfolio course that is a prerequisite for a GWAR Writing Intensive Capstone.

CDFS 402 Child and Family Law (3)

Prerequisites: A grade of "C" or better in CDFS 312; upper division standing.

CDFS 410 International Families: Families in Cross-Cultural Perspectives (3)

Prerequisites: A grade of "C" or better in CDFS 312; or consent of instructor.

CDFS 411 Individual Child Study and Guidance (3)

Prerequisites: A grade of "C" or better in CDFS 311 or CDFS 314 or HDEV 307 or PSY 361; upper division standing; or consent of instructor.

CDFS 413 Child and Family in the Community (3)

Prerequisites: A grade of "C" or better in CDFS 312; upper division standing; or consent of instructor.

CDFS 418 Parent Education (3)

Prerequisites: Upper-division standing and at least 6 units of upper division child development and family studies or equivalent courses, or consent of instructor.

CDFS 419 Family Life Education (3)

Prerequisites: A grade of "C" or better in CDFS 413; upper division standing; or consent of instructor.

CDFS 492B Internship in Family Life Education (3)

Prerequisites: Student must be a major in Family and Consumer Sciences in the option of Family Life Education; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; have

approval of a faculty advisor in Child Development and Family Studies; have completed CDFS 413 and CDFS 419 each with a grade of "C" or higher. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. Students receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. CDFS 492B may not be taken concurrently with CDFS 492A or FCS 392A.

CAFF 321 Family & Consumer Resource Management (3)

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

FCS 299 Introduction to FCS (1)

Prerequisites: None.

Not open for credit to students with credit in FCSE 299.

FCS 499 Professionalism and Leadership in Family and Consumer Sciences (1)

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Not open for credit to students with credit in FCSE 499.

HSC 425 Human Sexuality and Sex Education (3)

Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing. Recommended: PSY 100.

NUTR 132 Introductory Nutrition (3)

Prerequisites: Any GE Foundation course.

PSY 100 General Psychology (3)

Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

Take one the following courses:

ANTH 120 Introduction to Cultural Anthropology (3)

Prerequisites: Any GE Foundation course.

Another approved Global Issues course (3)

Take one of the following courses:

GERN 400 Perspectives on Gerontology (3)

Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.

HDEV 357 Approaches to Adulthood Through Aging (3)

Prerequisites: GE Foundation requirements, upper-division standing, ANTH 120 or HDEV 180 or PSY 100 or SOC 100 with a "C" or better.

Take one of the following courses:

CDFS 311 Prenatal Development and Infancy (3)

Prerequisites: A grade of "C" or better in CDFS 111, upper division standing.

CDFS 314 The Older Child (3)

Prerequisites: A grade of "C" or better in CDFS 111; upper division standing; or consent of instructor.

Take the following course:

CDFS 412 Family Interaction (3)

Prerequisites: A grade of "C" or better in CDFS 312; upper division standing; or consent of instructor.

Take 9 units of advisor-approved electives. Three of the 9 units must be upper division.

In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C", may proceed with other courses with the approval of the Child Development and Family Studies Area Coordinator. Each course on the student's program planner must be completed with a grade of "C" or higher.

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## Child Development and Family Studies Courses (CDFS)

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### LOWER DIVISION

#### 111. Preschool Child (3)

Behavior and development in early childhood, with emphasis on the interaction of parents, children and teachers.

(Lecture-discussion 3 hours)

#### 211. Guiding Young Children (3)

Prerequisites: A grade of "C" or better in PSY 100 or SOC 100 or CDFS 111.

Processes, techniques, models, research, and selected issues in child guidance as applied to 3-5 year-old children in family and community settings. Development of a personal approach to guidance based on current scientific research and theory concerning child development.

(Lecture-discussion 3 hours)

#### 214. Environments for Preschool Children (3)

Prerequisites: A grade of "C" or better in CDFS 111; or consent of instructor.

Introduction to preschool care-giving practices. Growth and development of preschool children relating to the classroom environment. Application of theories, models, and research to current preschool classroom practices.

Letter grade only (A-F). (Lecture-discussion 3 hours)

#### 215. Environments for Infants and Toddlers (3)

Prerequisites: A grade of "C" or better in CDFS 111; or consent of instructor.

Introduction to infant and toddler care-giving practices. Growth and development of children from birth through three years of age relating to the classroom environment. Application of theories, models, and research to current infant and toddler classroom practices.

Letter grade only (A-F). (Lecture-discussion 3 hours)

#### 219. Stress, Coping and Resiliency for the Professional Educator (3)

Prerequisites: A grade of "C" or better in ENGL 100 or GE Composition (Area A1).

Identification of stressors which diminish the effectiveness of the learning environment for at-risk school children. Use Family Resiliency Model to examine critical family dynamics. Practical stress management for future teachers.

Letter grade only (A-F). (Lecture-Discussion 3 hours)

#### 290. Directed Studies (1-3)

Independent study under the direction of a faculty member. Exploration and experience in areas which are not a part of any regular course.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. (Seminar)

### UPPER DIVISION

#### 311. Prenatal Development and Infancy (3)

Prerequisites: A grade of "C" or better in CDFS 111; upper division standing.

Human development from conception through prenatal development, childbirth, the neonatal period, infancy and toddlerhood with emphasis on the various aspects of development and the environmental/social factors essential for human growth.

(Lecturer-discussion 3 hours)

#### 312. Family and Personal Development (3)

Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.

Interdisciplinary introduction to the concepts underlying contemporary American family life and the influence of social and cultural conditions on human development.

(Lecture-discussion 3 hours)

#### 314. The Older Child (3)

Prerequisites: A grade of "C" or better in CDFS 111; upper division standing; or consent of instructor.

Behavior and development in middle and late childhood and adolescence, with emphasis on individual and cultural differences.

(Lecturer-discussion 3 hours)

#### 319. Family Stress and Coping (3)

Prerequisites: GE Foundation requirements; ANTH 120 or PSY 100 or SOC 100 or consent of instructor; students must have scored 11 or higher on the GVAR Placement Examination or completed the necessary portfolio course that is a prerequisite for a GVAR Writing Intensive Capstone.

Examination of theories and research associated with stressors affecting family functioning throughout the lifecycle. Consideration given to both normative transitions and non-normative stressors. Emphasis on strategies to assist families to deal productively with stress and change.

(Lecture-discussion 3 hours)

#### 402. Child and Family Law (3)

Prerequisites: A grade of "C" or better in CDFS 312; upper division standing.

Establishment, conduct, and termination of marital and non-marital family relationships, including the rights and duties of the parties involved. Topics include marital disillusionment, child custody issues, property rights, domestic violence, adoption, support, genetic testing, and new trends in family law.

Letter grade only (A-F). (Lecture-discussion 3 hours)

#### 407. The Hospitalized Child (3)

Prerequisite: CDFS and FLE majors and CDFS minors only; Upper division standing.

Child Life Education focus on the psychosocial care of children and their families in health care settings. Effects of medical environments on children and their families with emphasis on strategies for interactions that enhance family coping.

#### 408. Transition to Parenthood (3)

Prerequisite: CDFS 312

An empirically based evaluation of the transition to parenthood. It examines how a baby, from the onset of pregnancy to one year after the child's birth, impacts a couple's relationship. Both theory and research are emphasized.

(3 hours lecture)

#### 409. Language, Learning and the Developing Child: A Cross-Cultural Perspective (3)

Explores the communicative-linguistic, cognitive, physical, and socio-emotional development of the child from the prenatal to adolescent period across diverse cultures with an emphasis on language acquisition and the learning process.

Letter grade only (A-F). Not open for credit to students currently enrolled in the Liberal Studies program. Same course as EDEL 429. Not open for credit to student with credit in LING 429, EDEL 429, and EDP 428.



#### **410. International Families: Families in Cross-Cultural Perspectives (3)**

Prerequisites: A grade of "C" or better in CDFS 312; or consent of instructor.

Basic concepts and definitions relating cross-cultural studies will be discussed. Important family life cycle changes will be explained for major ethnic groups within the United States. Family life in selected international families will also be examined.

(Lecture-discussion 3 hours)

#### **411. Individual Child Study and Guidance (3)**

Prerequisites: A grade of "C" or better in CDFS 311 or CDFS 314 or HDEV 307 or PSY 361; upper division standing; or consent of instructor.

Analysis and interpretation of theory, research, trends and techniques for the study and guidance of the individual child in family and community settings.

(Lecture-activity 3 hours)

#### **412. Family Interaction (3)**

Prerequisites: A grade of "C" or better in CDFS 312; upper division standing; or consent of instructor.

Dynamics of interaction and communication in interpersonal relationships throughout the family life cycle. Experience with a variety of communication skills in small group settings.

(Lecture-discussion 3 hours)

#### **413. Child and Family in the Community (3)**

Prerequisites: A grade of "C" or better in CDFS 312; upper division standing; or consent of instructor.

Study of cultural varieties and the needs of the contemporary American family in an urban community; analysis of current issues and problems; identification of and experience with community resources and agencies.

(Lecture-discussion 3 hours)

#### **414. Fieldwork with Preschool Children (3)**

Prerequisites: A grade of "C" or better in CDFS 111, CDFS 211, CDFS 214; or consent of instructor.

Supervised teaching/learning experience with preschool children including development of skills for observation and assessment as well as curriculum planning, implementation and evaluation.

May be repeated to a maximum of 6 units with assignments reflecting increasing levels of difficulty. (Lecture 1 hour, laboratory 6 hours)

#### **415. Fieldwork with Infants/Toddlers (3)**

Prerequisites: A grade of "C" or better in CDFS 111, CDFS 211, CDFS 215; or consent of instructor.

Supervised teaching/learning experience with preschool children including development of skills for observation and assessment as well as curriculum planning, implementation and evaluation.

May be repeated to a maximum of 6 units in different semesters with assignments reflecting increasing levels of difficulty. (Lecture 1 hour, laboratory 6 hours) Letter grade only (A-F).

#### **416A. Introduction to Administration and Supervision of Child Development Programs (3)**

Prerequisites: A grade of "C" or better in CDFS 414 or CDFS 415; or consent of instructor.

Minimum and recommended standards and laws pertaining to housing, equipment, play space, adult/child ratio, health supervision and meal service for children's programs. Selection and supervision of personnel, program planning and directing.

(Lecture-discussion 3 hours)

#### **416B. Applications of Administration and Supervision of Child Development Programs (3)**

Prerequisites: A grade of "C" or better in CDFS 416A; or consent of instructor.

Decision theory and its application, communication strategies, planning, operating and evaluating programs for young children.

(Lecture-discussion 3 hours)

#### **418. Parent Education (3)**

Prerequisites: Upper-division standing and at least 6 units of upper division child development and family studies or equivalent courses, or consent of instructor.

Principles and techniques for working with parents in community and school programs. Assessment of needs and development of programs for adults in a variety of social and cultural settings.

(Lecture-activity 3 hours)

#### **419. Family Life Education (3)**

Prerequisites: A grade of "C" or better in CDFS 413; upper division standing; or consent of instructor.

History, purpose, principles, ethics, ten substance areas, and paradigms of family life education will be explored. Planning, implementing, and evaluating family life education programs will be discussed. Gender, ethnicity, and diversity issues related to family life education will be stressed.

Letter grade only (A-F). (Lecture-discussion 3 hours)

#### **492A. Internship in Child Development and Family Studies (3)**

Prerequisites: Student must be a Family and Consumer Sciences: Child Development and Family Studies major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Child Development and Family Studies; and CDFS 411, CDFS 413, and CDFS 414 or CDFS 415. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. Students receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. CDFS 492A may not be taken concurrently with CDFS 492B or FCS 392A.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for 6 units maximum. (Seminar 3 hours)

#### **492B. Internship in Family Life Education (3)**

Prerequisites: Student must be a major in Family and Consumer Sciences in the option of Family Life Education; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; have approval of a faculty advisor in Child Development and Family Studies; have completed CDFS 413 and CDFS 419 each with a grade of "C" or higher. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. Students receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. CDFS 492B may not be taken concurrently with CDFS 492A or FCS 392A.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for 6 units maximum. (Seminar 3 hours)

# CONSUMER AFFAIRS

College of Health and Human Services  
Department of Family and Consumer Sciences

**Department Chair:** Wendy Reiboldt

**Department Office:** Family and Consumer Sciences (FCS) - 001  
Telephone / Fax: (562) 985-4484 / 985-4414

Website: [www.csulb.edu/colleges/chhs/departments/fcs](http://www.csulb.edu/colleges/chhs/departments/fcs)

**Faculty:** Mariné Aghekyan, Michelle Barrack, Lee Blecher, Marie Botkin, Maria Claver, Gail C. Frank, Virginia Gray, Libby Gustin, Young Ha, HyeJeong King, James E. Koval, Peter Kreysa, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Cheryl Rock, Roudi Roy, Myunghae Sohn, Richard V. Tuveson, Long Wang, Jung-Mao (Ronnie) Yeh

**Program Director:** Peter Kreysa

**Baccalaureate Program Coordinator:** Richard V. Tuveson

**Graduate Coordinator:** Virginia Gray

**Administrative Support Coordinators:**

Mikal Lok, Marina Bendersky, Andrew Redmayne

**Instructional Support Technician:** Bonnie Rice

## Career Possibilities

Consumer Advocates on Television and Radio Stations • Litigation Consumer Specialist • Product Safety Advocate • Credit Counselor • Food and Drug Consumer Specialist • Federal Trade Consumer Specialist • Community Consumer Educator • Consumer Affairs Teacher • Financial Advisor • Financial Counselor • Product Safety and Health Care Consultants • Customer Service Representative • Housing Counselor • Homeless Coordinator • Property Manager • Product Researcher (Some of these, and other careers, require additional education or experience. For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

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## Undergraduate Programs

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### Bachelor of Arts in Family and Consumer Sciences

This degree offers six options:

- Child Development and Family Studies
- Consumer Affairs
- Family and Consumer Sciences Education
- Family Life Education
- Fashion Design
- Fashion Merchandising

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Dietetics and Food Administration

This degree offers two options:

- Nutrition and Dietetics
- Food Science

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Hospitality Management

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

#### Consumer Affairs

This program focuses on how businesses, government agencies, and community organizations interact with families and consumers.

#### Option in Consumer Affairs (120 units)

Take one of the following support courses:

PSY 100 General Psychology (3)

Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

SOC 100 Principles of Sociology (3)

Prerequisites/Corequisites: A GE Foundation course.

Take one of the following support courses:

ECON 100 Principles of Macroeconomics (3)

Prerequisite: MATH 103 or higher.

ECON 101 Principles of Microeconomics (3)

Prerequisites: MATH 103 or higher.

ECON 300 Fundamentals of Economics (3)

Prerequisites: GE Foundation requirements.

Take one of the following support courses:

SOC 170 Elementary Statistics (4)

Prerequisites: Eligible to take a General Education Mathematics Course.

STAT 108 Statistics for Everyday Life (3)

Prerequisites: None

Take all of the following major courses:

FCS 299 Intro to Family and Consumer Sciences (1)

Prerequisites: None.

Not open for credit to students with credit in FCSE 299.

CAFF 223 Personal and Family Financial Management (3)

Prerequisites: GE Foundation requirements.

CAFF 226 Consumer Life Skills (3)

Prerequisites: GE Foundation requirements.

CAFF 228 Housing in Global Perspective (3)

Prerequisites: GE Foundation requirements.

CAFF 321 Family and Consumer Resource Management (3)

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

CAFF 427 Consumer Dynamics (3)

Prerequisites: Students must have scored 11 or higher on the GEAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GEAR Writing Intensive Capstone.

CAFF 429 Consumer Protection (3)

Prerequisites: Upper Division course in consumer affairs or consent of instructor.

FCS 499 Professionalism and Leadership in FCS (1)

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Not open for credit to students with credit in FCSE 499.

Take two of the following courses:

CAFF 307 Crimes against Consumers (3)

Prerequisite: None.

CAFF 309 The Consumer in the Legal and Economic Environment (3)

Prerequisites: GE Foundation requirements; completion of one or more Exploration courses; upper division standing.

CAFF 322 Family Housing and Urban Community (3)

Prerequisite: Upper division standing.

CAFF 420 Personal Finance for the Aging (3)

Prerequisites: 400-level course in Consumer Affairs or consent of instructor.

CAFF 422 Housing Policies: Public and Private (3)

Prerequisite: CAFF 322, upper division standing or consent of instructor.

CAFF 425 Personal Financial Planning Analysis (3)

Prerequisites: CAFF 223 or consent of instructor.

CAFF 426 Family Financial Problems (3)

Prerequisites: CAFF 223 or consent of instructor.

CAFF 492C Internship in Consumer Affairs (3)

Prerequisites: Student must be a Family and Consumer Sciences: Consumer Affairs major; have senior standing; approval of a faculty advisor in Consumer Affairs; or consent of instructor.

FCS 497 Directed Studies (3)

Prerequisites: Upper division standing, consent of instructor.

Not open for credit to students with credit in FCSE 497.

Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Consumer Affairs Area Coordinator.

### Minor in Consumer Affairs

Fifteen units as approved by a Consumer Affairs faculty advisor. The Minor in Consumer Affairs is available to any non-Consumer Affairs major.

Take two of the following courses:

CAFF 223 Personal and Family Financial

Management (3)

Prerequisites: GE Foundation requirements.

CAFF 226 Consumer Life Skills (3)

Prerequisites: GE Foundation requirements.

CAFF 228 Housing in Global Perspective (3)

Prerequisites: GE Foundation requirements.

Take 9 units of Consumer Affairs courses in consultation with an Academic Advisor.

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## Consumer Affairs Courses (CAFF)

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### LOWER DIVISION

#### 223. Personal and Family Financial Management (3)

Prerequisite: GE Foundation requirements.

A functional approach to personal finance including budget systems, consumer credit, insurance, debt collection system, status obligation, accumulating reserves. Applicable for personal and professional use.

(Lecture-discussion 3 hours)

#### 226. Consumer Life Skills (3)

Prerequisite: GE Foundation requirements.

Consumer life skills with an emphasis on practical applications in the marketplace. Includes the history of the consumer movement, consumer rights and responsibilities, financial wellness, consumer debt, consumer behavior, fraud, and consumer redress.

(Lecture-discussion 3 hours)

#### 228. Housing in Global Perspective (3)

Prerequisites: GE Foundation requirements.

Family housing options and choices in urban and rural areas throughout the world viewed within the context of history, politics, culture, art, environment, geography, technology and economics.

(Lecture-discussion, 3 hours).

### UPPER DIVISION

#### 307. Crimes against Consumers (3)

Study of laws and agencies devoted to consumer protection; the investigation of consumer crimes, including product counterfeiting, consumer frauds/scams, false advertising, adulterated food, dangerous drugs and devices, and quackery; and college students, veterans, immigrants, and seniors as consumer crime victims.

Letter grade only (A-F) Same course as CRJU 307. Not open for credit to students with credit in CRJU 307.

#### 309. The Consumer in the Legal and Economic Environment (3)

Prerequisites: GE Foundation requirements; completion of one or more Exploration courses; upper division standing.

Incorporates an integrated coverage of the economic, legal, ethical and regulatory environment of consumers in avoiding and resolving disputes regarding fraudulent transactions, financial matters, personal and real property contracts, torts, credit and investment issues, and family relationships. Team taught.

(Lecture-discussion 3 hours) Same course as BLAW 309. Not open for credit to students with credit in FIN 309 or BLAW 309.

#### 321. Family and Consumer Resource Management (3)

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

Basic management principles applied to personal and family settings. Examines role of values, goal formation, decision-making, planning, implementing, and evaluation of managerial behavior in diverse family and cultural settings.

Letter grade only (A-F). (Lecture-discussion 3 hours)

#### 322. Family Housing and the Urban Community (3)

Prerequisites: Upper-division standing.

Critical analysis of family housing in urban community including aspects of shelter, city and service providers. Sociological, psychological, legislative, economic and technical factors investigated. Special attention given to families of various structures and socioeconomic background.

(Discussion 3 hours)

#### 388. Consumers vs. Technology: Who's Winning? (3)

Prerequisites: GE Foundation requirements, upper division standing, ENGL 100 or GE Composition (Area A1).

An examination and analysis of consumer interaction with rapidly expanding technology. Historical record of Consumers and Technology since 1900. What does the future hold? This is a writing intensive course.

Letter grade only (A-F). (Discussion 3 hours.)

**420. Personal Finance for the Aging (3)**

Prerequisites: 400-level course in Consumer Affairs or consent of instructor.

Personal finance as applied to the aging population.

Same course as GERN 420. Not open for credit to students with credit in GERN 420. (Lecture-discussion 3 hours)

**422. Housing Policies: Public and Private (3)**

Prerequisites: CAFF 322, upper division standing or consent of instructor.

Federal, state, and local policies, programs and legislation concerning housing and urban development. Analysis of the housing industry and its influence on the consumer market.

Letter grade only (A-F). (Discussion 3 hours)

**425. Personal Financial Planning Analysis (3)**

Prerequisite: CAFF 223 or consent of instructor.

Analysis and protection of personal and family resources; planning and forecasting goals; development of financial strategies utilizing insurance, investment, tax management, pensions, wills and trusts.

(Lecture-discussion 3 hours)

**426. Family Financial Problems (3)**

Prerequisite: CAFF 223 or consent of instructor.

Theory and practice in the diagnosis of family financial crises; selecting alternative solutions; constructing practical methods for the prevention of family financial problems.

(Discussion 2 hours, laboratory 3 hours)

**427. Consumer Dynamics (3)**

Prerequisites: Students must have scored 11 or higher on the GEAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GEAR Writing Intensive Capstone.

Examination and analysis of consumer motivation, demand, and behavior. Consumers in the global marketplace. Exploration of individual, family, and household dynamics that influence decision making. This is an intensive writing course.

Letter grade only (A-F).

**429. Consumer Protection (3)**

Prerequisites: Upper Division course in consumer affairs or consent of instructor.

Concepts of consumer protection with analysis of a myriad of resources available for individuals and families with consumer problems.

(Seminar 3 hours)

**492C. Internship in Consumer Affairs (3)**

Prerequisite: Student must be a Family and Consumer Sciences: Consumer Affairs major; have senior standing; approval of a faculty advisor in Consumer Affairs; or consent of instructor.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for 6 units maximum. (Seminar 3 hours)

# SCHOOL OF CRIMINOLOGY, CRIMINAL JUSTICE, AND EMERGENCY MANAGEMENT

College of Health and Human Services

**School Director:** Brenda L. Vogel

**School Office:** Engineering Technology (ET) Room 232  
Telephone: (562) 985 - 8965

**Faculty:** Jamie Birnall, Alice Choi, Ryan G. Fischer, Connie Ireland, Aili Malm, Rebecca Nash, Dina Perrone, Robert Schug, Christine Scott-Hayward, Tracy Tolbert, Sam Vickovic, Brenda L. Vogel, John Wang

**Undergraduate Advisor:** CHHS Academic Advising and Resources Center

**Graduate Advisor:** Aili Malm

**Internship Coordinators:** Ron Mark, Brenda Vogel

**Office Manager:** Durrell Dew

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## CAREER OPTIONS

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Police Officer • Probation Officer • Claims Representative  
• Private Investigator • Customs Agent • Special Agent  
FBI • Health & Safety Inspector • Criminologist • Game  
Warden • Park Ranger • Alcohol-Tobacco-Firearms Agent  
• Correctional Officer • Paralegal • Immigration Inspector •  
Intelligence Analyst-CIA • Parole Officer • Teacher • Prison  
Administrator • Lawyer • Credit Investigator • Border Patrol  
Agent (Some of these careers require additional education  
or experience.) Various entry-level trainee positions  
in business and industry are available for graduates  
regardless of academic discipline.

### Introduction

The school works collaboratively to investigate, understand, and solve social problems related to crime through the interdisciplinary and comparative study of crime and criminal behavior, as well as the policies and systems designed to control criminality. Graduates are well-prepared to become agents of positive change in the justice system through evaluation, research, ethical practice, and dedicated service. Graduates are also prepared to pursue advanced degrees in criminology/criminal justice, law, public affairs, and related graduate fields.

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## UNDERGRADUATE PROGRAMS

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### Bachelor of Science in Criminology and Criminal Justice (120 units)

This program is designed to accommodate the needs of new college students, continuing students, transferring students, and experienced criminal justice practitioner. We offer sufficient courses in the evenings for students to graduate with this degree without taking daytime classes.

Students intending to transfer from community colleges

to this University are advised to complete general education requirements while attending the community college. Courses equivalent to CRJU 101 and lower-division cognate courses (SOC 100, PSY 100, POSC 100 and PHIL 170), should be taken while attending community college. Other criminal justice courses taken at community colleges will be accepted as lower-division electives provided the college where they were taken designated them as transferable to CSU. These courses cannot be substituted for upper-division criminal justice courses.

### Admission Under Impaction

Refer to the following website for additional impaction criteria: [http://www.csulb.edu/depts/enrollment/admissions/impacted\\_major.html](http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html).

### Requirements

1. Major Courses: Take 48 units of criminal justice as follows:

A. Take 36 units of the following core courses:

CRJU 101 The Criminal Justice System in Society (3)  
Prerequisites/Corequisites: One GE Foundation course.

CRJU 110 Introduction to Justice Research, Writing, and Reasoning (3)  
Prerequisites: A grade of "C" or better in ENGL 100 or GE Composition (Area A1).

CRJU 301 Criminal Courts and Judicial Processes (3)  
Prerequisites/Corequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).

CRJU 302 Policing (3)  
Prerequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).

CRJU 303 Corrections: Theory, Policy, Practice Corrections (3)  
Prerequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).

CRJU 304 Criminological Theory (4)  
Prerequisites: A grade of "C" or better in CRJU 101 and CRJU 110.

CRJU 320 Criminal Justice Research Methods (4)  
Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304 (may be taken concurrently).

CRJU 325 Statistics for Criminal Justice (4)  
Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 320.

CRJU 330 Criminal Justice Ethics, Values and Diversity (3)  
Prerequisites: A grade of "C" or better in CRJU 302 and CRJU 303.

CRJU 340 Substantive Criminal Law (3)  
Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 301.

CRJU 350 Constitutional Criminal Procedure (3)  
Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 301.

B. Take 3 units of the following restricted options courses:  
CRJU 401, CRJU 402, CRJU 403, CRJU 404, CRJU

405, CRJU 406, CRJU 407, CRJU 408, CRJU 409, or an approved CRJU 490 special topics course.

- C. Take 3 units of any upper-division elective criminal justice course (i.e., course not in core or restricted options),
- D. Take at least 6 units of a Senior Integrative Experience in one of the following five ways (note that options 2, 4, and 5 require permission from a sponsoring faculty member):
1. CRJU 492 Internship (6); or
  2. CRJU 491 Internship (3) and CRJU 497 Independent Study/Directed Research (3); or
  3. CRJU 491 Internship (3) and any one of the following experiential learning courses:  
CRJU 405, CRJU 423, CRJU 430, CRJU 431, CRJU 440, CRJU 441, CRJU 470, or any upper-division CRJU travel-study course; or
  4. CRJU 497 Independent Study/Directed Research (3) and any one of the following experiential learning courses: CRJU 405, CRJU 423, CRJU 430, CRJU 431, CRJU 440, CRJU 441, CRJU 470, or any upper-division CRJU travel-study course; or
  5. CRJU 497 Independent Study/Directed Research (3) and CRJU 498 Thesis (3)

Courses taken to fulfil options 2 and 3 may not be used to satisfy either the restricted option or in-major elective requirements of the criminal justice major.

Each core or restricted option courses on the student's program planner must be completed with a grade of "C" or better. In addition, a course which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of school advisor or chair.

2. Cognate Courses: Take 6 courses in related disciplines (these satisfy CSULB General Education requirements) from the following:

Any General Education Critical Thinking Course  
(Philosophy 170 preferred)

\* C or better

POSC 100 Introduction to American Government (3)

\* C or better

Prerequisites/Corequisites: GE A1 requirement.

PSY 100 General Psychology (3)

\* C or better

Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

PSY 370 Abnormal Psychology (3)

Prerequisites: PSY 100.

SOC 100 Principles of Sociology (3)

\* C or better

Prerequisites/Corequisites: GE A1 requirement.

and any one of the following:

CDFS 319, CLSC 410, GEOG 301, PHIL 352, PHIL 451, PSY 350, RGR 400, SOC 335.

## Minor in Criminal Justice

### Requirements

The minor requires a minimum of 22 units as follows:

1. Take 19 units of the following core courses:
  - CRJU 101 The Criminal Justice System in Society (3)  
Prerequisites/Corequisites: One GE Foundation course.
  - CRJU 110 Introduction to Justice Research, Writing, and Reasoning (3)  
Prerequisites: A grade of "C" or better in ENGL 100 or GE Composition (Area A1).
  - CRJU 301 Criminal Courts and Judicial Processes (3)  
Prerequisites/Corequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).
  - CRJU 302 Policing (3)  
Prerequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).
  - CRJU 303 Corrections: Theory, Policy, Practice Corrections (3)  
Prerequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).
  - CRJU 304 Criminological Theory (4)  
Prerequisites: A grade of "C" or better in CRJU 101 and CRJU 110.
2. Take 3 units of one of the following:
  - CRJU 340 Substantive Criminal Law (3)  
Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 301.
  - CRJU 350 Constitutional Criminal Procedure (3)  
Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 301.

All courses in the criminal justice minor must be taken for a letter grade only (A-F) and must be successfully completed with a grade of "C" or higher. CRJU 101 and CRJU 110 are prerequisites for all core courses at the 300-level. All 300-level courses must be taken in residence at CSULB and, therefore, may not be transferred in from other colleges or universities.

### Admission to the Minor

The minor in criminal justice is available to any non-criminal justice major. Students who would like to declare and/or change to criminal justice as their minor must have an overall G.P.A. of 2.0 and be enrolled in or have completed CRJU 101 or an equivalent course at another college or university. Alternative admission requirements may apply during times when the school is impacted.

## Minor in Forensic Studies

This minor provides students with an understanding of the nature of criminal evidence and an appreciation of how forensic investigative methods are used in quest for justice. It is particularly useful for students majoring in engineering, the natural sciences, the social sciences, art, and various human services disciplines. The minor may be combined any major at CSULB, although criminal justice majors may not "double count" CRJU 230, CRJU 412, CRJU 430, CRJU 440, CRJU 441, CRJU 442, CRJU 443, CRJU 490, or CRJU 492 for credit towards their major elective courses and the minor in forensic studies.

### Requirements

The minor in forensic studies requires completion of a

minimum of twenty-seven (27) units as follows:

1. Completion of six (6) units of the following required prerequisite courses with grades of "C" or higher:  
CRJU 101 The Criminal Justice System in Society (3)  
Prerequisites/Corequisites: One GE Foundation course.  
CRJU 110 Introduction to Justice Research, Writing, and Reasoning (3)  
Prerequisites: A grade of "C" or better in ENGL 100 or GE Composition (Area A1).
2. Completion of fifteen (15) units of the following required core classes:  
CRJU 230 Survey of the Forensic Sciences (3)  
Prerequisites: None.  
CRJU 301 Criminal Courts and Judicial Processes (3)  
Prerequisites/Corequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).  
CRJU 350 Constitutional Criminal Procedure (3)  
Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 301.  
CRJU 412 Criminal Investigation (3)  
Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 302.  
CRJU 440 Criminalistics: Forensic Science in the Crime Laboratory (3)  
Prerequisite: A grade of "C" or better in CRJU 230 or consent of instructor.
3. Completion of six (6) units of forensic electives from the following options: CRJU 430, CRJU 441, CRJU 442, CRJU 443, CRJU 490, CRJU 492 or any approved applied forensics courses offered in a related discipline.

Each course in the minor must be completed with a grade of "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite.

Students who would like to declare the minor in forensic studies must have completed the two prerequisite courses (CRJU 100, 110) and have an overall G.P.A. of 2.5. Alternative admission requirements may apply during times when the school is impacted.

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## GRADUATE PROGRAMS

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### Master of Science in Criminology and Criminal Justice

Graduate study in criminal justice provides the requisite knowledge and opportunity for individuals to (1) be competitive for administrative positions in the courts, corrections, law enforcement, security, probation and parole; (2) fill research positions in criminal justice agencies; (3) pursue advanced degrees (J.D. or Ph.D.); and (4) fill community college teaching positions in criminal justice.

The Master of Science degree in criminology and criminal justice will expand and increase individual competency, develop and mature thought processes, aid in gaining insights into professional leadership and knowledge, permit an exchange between students and faculty, and further the spirit of research and scholarship to enhance professional and personal development.

### Admission

Students seeking admission to the School of Criminology, Criminal Justice and Emergency Management Graduate Program should have an undergraduate degree and a desire for graduate study. Applicants must apply for admission to the School of Criminology, Criminal Justice and Emergency Management in addition to being admitted by Enrollment Services. Students must be accepted for admission by the School before their program for a master's degree can be formulated. Students are not allowed to take graduate course work in criminal justice before being accepted to the program. The following items must be submitted:

1. Two copies of the CSULB graduate application. The original must be sent to Enrollment Services and a copy must be sent to the School of Criminology, Criminal Justice and Emergency Management.
2. Applicants must select ONE of the following three options to demonstrate their aptitude for graduate study:  
Option A: The GRE -- Official test scores on the Graduate Record Exam (GRE) General Test. While no specific cut-off scores are required, a score of 4.0 or higher on the writing portion is strongly preferred.  
Option B: The LSAT -- Official test scores on the Law School Admissions Test. No specific cut-off scores are required.  
Option C: Evidence of Research Potential -- Applicants who prefer not to take any standardized tests may submit one or two writing samples that evidence their research, writing, and critical thinking abilities.
3. Official transcripts of all undergraduate course work, including work done at all community colleges attended. Each applicant must request that official transcripts be sent to both the Graduate Advisor in the School of Criminology, Criminal Justice and Emergency Management and Enrollment Services.
4. Two letters of recommendation from persons able to testify to the student's academic ability, preferably from former professors. These letters must be sent to the School of Criminology, Criminal Justice and Emergency Management Graduate Advisor.
5. A résumé sent directly to the School of Criminology, Criminal Justice and Emergency Management Graduate Advisor that describes the applicant's academic achievements (including honors and awards), extracurricular activities, as well as relevant work, internship, and volunteer experiences.
6. A typewritten letter of intent (between 750 and 1,250 words) sent directly to the School of Criminology, Criminal Justice and Emergency Management Graduate Advisor. This essay should address: (a) what motivates the applicant to apply for a graduate degree; (b) what relevant research and practical experiences qualify the applicant for admission; (c) what the applicant's specific areas of interests in criminal justice practice, policy, and/or research are; (d) with whom on the faculty the applicant would like to work and why; and (e) what the applicant's personal goals and objectives are for earning a master's degree in criminology and criminal justice at

CSULB.

7. International students are subject to the same admission criteria as non-international students plus a TOEFL score of 100 for the internet-based exam or 600 for the paper-based exam.

### Prerequisites

1. A bachelor's degree from a regionally-accredited university. Although a major or minor in criminology, criminal justice, or a related social-scientific discipline is preferred, the School's Graduate Committee may admit students with undergraduate preparation in other fields.
2. A student must have an overall undergraduate average (GPA) and average in their major of 3.00 or better. A student whose overall grade point average is between 2.750 and 2.999, but who presents acceptable evidence of professional potential either through recent academic performance and/or experiential background, may be conditionally admitted by special action of the School's Graduate Committee.

### Competencies

Students entering the M.S. program in criminology and criminal justice are expected to have completed the following six undergraduate courses or their equivalents:

- (1) CRJU 101: The Criminal Justice System in Society;
- (2) CRJU 304: Criminological Theory;
- (3) CRJU 320: Research Methods (or a similar social-scientific research methods course in psychology, sociology, political science, or related field);
- (4) CRJU 325: Statistics (or a similar applied statistics course);
- (5) CRJU 340: Substantive Criminal Law; and
- (6) CRJU 350: Constitutional Criminal Procedure.

Students who have not taken courses in criminological theory, research methods, and statistics during their undergraduate studies still qualify for conditional admission to the M.S. program in criminology and criminal justice, but will be required to take deficiency courses in these areas before being permitted to enroll in the graduate-level courses for which undergraduate competency in one or more of these areas is required. Because deficiency courses do not count for graduate credit, the necessity of acquiring undergraduate competency in one or more of these areas may extend the time to degree completion by a semester. Students who have not taken courses in criminal law or criminal procedure will be required to use one or two of their elective courses to gain competency in the areas. Taking such courses will not delay graduation.

### Advancement to Candidacy

1. Students must satisfy the general University requirements for advancement to candidacy, as specified in this catalogue.
2. Before advancing to candidacy, students must successfully complete 12 graduate units within the core (CRJU 501, CRJU 504, CRJU 520, and CRJU 525) with a minimum grade of "B" in each of the courses.
3. Before advancing to candidacy, students must have fulfilled the Graduation Writing Assessment Requirement

(GWAR) and have successfully passed the School's qualifying examination.

4. Each student's graduate program must be approved by the School Graduate Advisor, the Director of the School, and the Associate Dean of the College of Health and Human Services.

### Requirements

1. Take 18 units of the following core courses:

CRJU 501 Proseminar and Professional Writing in Criminology and Criminal Justice (3)  
Prerequisites: Restricted to Criminal Justice master's students; all other students must have consent from Graduate Advisor.

CRJU 504 Criminological Theory (3)  
Prerequisites: CRJU 304 or comparable undergraduate criminological theory course approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from the Graduate Advisor.

CRJU 520 Advanced Criminal Justice Research Methods (3)  
Prerequisites: CRJU 320 and CRJU 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.

CRJU 525 Advanced Statistics for Criminal Justice (3)  
Prerequisites: CRJU 320 and CRJU 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.

CRJU 535 Criminal Justice Policy (3)  
Prerequisites: CRJU 504, CRJU 520, and CRJU 525.

CRJU 555 Law and Social Control (3)  
Prerequisites: CRJU 340 and CRJU 350 or comparable undergraduate courses in substantive criminal law and constitutional criminal procedure. Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

2. Take CRJU 530 Criminal Justice Ethics, Values & Diversity (3), unless waived because the student completed an undergraduate course in applied criminal justice ethics with a grade of "B" or higher. If so waived, the student must take 3 units of any graduate-level elective in lieu of CRJU 530.
3. Successful passage of the School's qualifying examination testing graduate-level competency in statistics, research methods, and criminological theory.
4. Take 15 additional graduate units in one of two ways:
  - A. Thesis Option:  
Take 9 units of advisor-approved electives and the following courses:  
CRJU 694 Thesis I (3)  
Prerequisites: Advancement to candidacy as a Criminal Justice master's student.  
CRJU 698 Thesis II (3)  
Prerequisites: CRJU 694.
  - B. Comprehensive Examination Option:  
Take 15 units of advisor-approved electives and successful completion of the comprehensive master's essay examination in either policing, corrections, law and social control, crime and mental illness, crime and inequality, or other authorized subject area.

Note: Masters students who were admitted under a prior catalog year need to complete the course requirements specified in the catalog in



effect at the time they advance to candidacy. All graduate students have the option of taking comprehensive examinations even if such exams were not listed as an option in the catalog at the time the student matriculated.

In addition to the core classes, take 12 units of electives selected in consultation with graduate advisor. A maximum of 6 units may be taken from 300 or 400-level courses in Criminal Justice. Up to 6 units of graduate work may be transferred from another accredited university or another program at CSULB. Transfer credit must be a "B" or better. All students must earn a grade of "A" or "B" for each required course. Students may not have more than 6 units of "C" grades apply toward the master's degree. Advancement to candidacy is necessary before Thesis I, Thesis II, or comprehensive exams can be taken.

### Thesis

The thesis is a supervised experience in the application of theory and analytical tools to an issue in criminology or criminal justice. The thesis should prepare students for further graduate work or research in the field. The project should provide an experience that is directly applicable to an occupation in the criminal justice field.

The thesis is a written product of the systematic study of a significant problem. It clearly identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommendations. The finished product evidences originality, critical and independent thinking, appropriate organization and format, and thorough documentation. The coursework is supervised by a committee of three, including the Thesis Chair, who must be a full-time tenure-track or tenured faculty member in the School of Criminology, Criminal Justice and Emergency Management and two other faculty members.

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## Criminal Justice Courses (CRJU)

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### LOWER DIVISION

#### 101. The Criminal Justice System in Society (3)

Prerequisites/Corequisites: One GE Foundation course.

Introduction to the study of criminal justice in American society. Focuses on the history, philosophy, functions, roles, policies, practices, and ethics of the institutions of social control within the criminal justice system, especially police, courts, and correctional personnel.

Letter grade only (A-F). Not open for credit to students with credit in CRIM 101.

#### 110. Introduction to Justice Research, Writing, and Reasoning (3)

Prerequisite(s): A grade of "C" or better in ENGL 100 or GE Composition (Area A1).

Develops the skills needed to conduct and properly cite library and electronic research for social scientific and legal sources; and use them to make persuasive oral presentations and write papers, case briefs, and reports commonly used in the justice professions.

Letter grade only (A-F).

#### 210. Gangs: Structure, Activities, and Responses (3)

An interdisciplinary examination of the factors that contribute to gang formation and membership; the structure and function of gangs; gang activities (including crime); and the various policy and programmatic responses to gangs.

Letter grade only (A-F).

#### 230. Survey of the Forensic Sciences (3)

The application of scientific principles to criminal investigations and trials, focusing on crime scene analysis and recording; analytical methods of criminalistics; significance of results; and the specialized roles of criminalists and forensic biology, chemistry, ballistics, medicine, dentistry, anthropology, and psychology.

#### 290. Selected Topics in Criminal Justice (3)

Introductory topics of current interest in the field of criminal justice selected for intensive development.

May be repeated for a maximum of 9 units with different topics in different semesters. Topics announced in the *Schedule of Classes*.

### Upper Division

#### 301. Criminal Courts and Judicial Processes (3)

Prerequisite/Corequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).

Examines the structure and operation of the criminal court systems of the U.S. at the local, state, and federal levels, including their respective jurisdictions. Emphasizes pretrial and adjudication processes and the organizational roles and behaviors within the court system.

Not open for credit to students with credit in CRIM 351. Letter grade only (A-F).

#### 302. Policing (3)

Prerequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).

The historical evolution of policing as an institution of social control with emphasis placed on the contemporary roles of police officers, including patrol strategies, training procedures, ethical standards, and discretion. Considers under-represented groups in policing and corruption in police agencies.

Not open for credit to students with credit in CRIM 483. Letter grade only (A-F).

#### 303. Corrections: Theory, Policy and Practice Corrections (3)

Prerequisites: A grade of "C" or better in CRJU 101 and CRJU 110 (may be taken concurrently).

Historical and philosophical reactions to law violators. Overview of institutional and community corrections. Examination of differing penal institutions. Evaluation of rehabilitation as crime control strategy. Alternatives to incarceration will be explored as criminal sanctions.

Not open for credit to students with credit in CRIM 468. Letter grade only (A-F). Field trips may be required.

#### 304. Criminological Theory (4)

Prerequisite: A grade of "C" or better in CRJU 101 and CRJU 110.

A writing-intensive exploration of theories of crime, criminal behavior, and crime control policies. Criminological theories are traced through history by focusing on connections to biology, psychology, philosophy, politics, sociology, and economics. Not open for credit to students with credit in CRIM 404. Letter grade only (A-F).

#### 307. Crimes against Consumers (3)

Study of laws and agencies devoted to consumer protection; the investigation of consumer crimes, including product counterfeiting, consumer frauds/scams, false advertising, adulterated food, dangerous drugs and devices, and quackery; and college students, veterans, immigrants, and seniors as consumer crime victims.

Letter grade only (A-F) Same course as CAFF 307. Not open for

credit to students with credit in CAFF 307.

### **320. Criminal Justice Research Methods (4)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304 (may be taken concurrently).

Introduction to basic techniques in criminal justice research, including report writing, components of research design models, sampling techniques, data collection techniques, questionnaire construction, interview techniques, and participant observation. Focus on bridging the gaps between theory, research, and justice policy. Letter grade only (A-F). Not open for credit to students with credit in CRIM 480. (3 hours lecture; 2 hours activity)

### **325. Statistics for Criminal Justice (4)**

Prerequisite: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 320.

Descriptive and inferential statistics covering univariate, bivariate, and multivariate statistical techniques. Focus on probability theory, significance testing, inferential statistics used for quantitative data analysis by criminal justice researchers and administrators. Includes laboratory using statistical software packages.

Letter grade only (A-F). (Lecture 3 hours, laboratory workshop 1 hour.)

### **330. Criminal Justice Ethics, Values, and Diversity (3)**

Prerequisites: A grade of "C" or better in CRJU 302 and CRJU 303.

Identifies and explores ethics and values in the criminal justice system, paying special attention to issues of social inequality. Discusses remedial strategies and behavior relating to unethical behavior from an individual and group perspective.

Not open for credit to students with credit in CRIM 305. Letter grade only (A-F).

### **340. Substantive Criminal Law (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 301.

Analysis of the historical development of criminal law and the underlying principles used to interpret it. Focuses on statutory construction and case law deconstruction of the elements and defenses to major crimes, and the public policy implications of these interpretations.

Letter grade only (A-F).

### **350. Constitutional Criminal Procedure (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 301.

A study of criminal procedures mandated by the U.S. Constitution emphasizing searches and seizures under the Fourth Amendment; interrogations and confessions under the Fifth Amendment; the Sixth Amendment right to counsel; and due process under the Fourteenth Amendment.

Not open for credit to students with credit in CRIM 451. Letter grade only (A-F).

### **401. Victimology (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304.

Advances an ecological approach to the study of victimology. Theories and history shaping the bio-psycho-social and environmental characteristics of crime and violent victimization are examined with emphasis on their intersection with issues of race, gender, class, ethnicity, and sexual orientation.

Not open for credit to students with credit in CRIM 373.

### **402. Crime and Inequality (3)**

Prerequisites: A grade of "C" or better in CRJU 301 and CRJU 304.

Explores variability in the perpetration, apprehension, prosecution, and punishment of crime, as well as criminal victimization, by race, class, gender, ethnicity, and sexual orientation. Focuses on patterns of over-representation and critically evaluates the major explanations for this phenomenon.

### **403. Comparative Criminal Justice and Transnational Crimes (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304.

Examination of criminal justice systems around the world and related transnational crime issues. Political, social, and economic environments are studied in relation to varying criminological practices. Includes the role of international law, international criminal courts, the UN, and Interpol.

Not open for credit to students with credit in CRIM 484

### **404. Terrorism, Homeland Security, and Criminal Justice (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304.

Set against the background of our global community, an examination of the relationship between the historical and contemporary motivations and goals of terrorism, United States Homeland Security and select aspects of the United States criminal justice systems.

Letter grade only (A-F).

### **405. Crime Analysis (4)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304.

Examines the fundamentals of crime analysis with emphasis on crime mapping, criminal network analysis, and crime prevention. The laboratory portion applies hands-on computational techniques to different types of crime data.

(3 hours seminar, 1 hour activity)

### **406. Delinquency and the Juvenile Justice System (3)**

Prerequisite: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304.

Theoretical foundations of delinquency causation. Historical tracing of the American juvenile justice system including the juvenile court and its jurisdiction. Police interaction with juveniles; treatment and correctional strategies for young offenders. Examination of prevention and treatment approaches.

Not open for credit to students with credit in CRIM 487. Letter grade only (A-F).

### **407. White Collar Crime (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304.

Discuss and explain the various types of white-collar crimes and the damage white-collar crime inflicts upon individual victims, society, institutions, and culture. Research current trends in white collar crime, especially those concerning consumer product frauds and fraudulent business opportunities.

### **408. Serial Killers and Psychopaths: The Psychology of the Criminal Mind (3)**

Prerequisites: A grade of "C" or better in CRJU 304. Psychology majors: PSY 220, PSY 370. All other majors: Consent of Instructor.

Integrative examination of the intersection of criminal behavior and severe psychopathology using psychodynamic, behavioral, psychosocial, and neurobiological models. Particular attention is paid to understanding homicide and sex offenses committed by those diagnosed with psychopathy, schizophrenia, and antisocial personality disorder.

Same course as PSY 377. Not open for credit to students with credit in PSY 377.

### **409/609. Drugs and the Drug War (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304.

This course engages with the theoretical foundations of drug use and U.S. drug war. The impacts and effectiveness of prohibition, treatment, prevention, interdiction, and harm reduction are assessed. Global policies (e.g., Western Europe, Afghanistan, and South America) are integrated throughout.

Letter grade only (A-F). Not open for credit to students with credit in CRJU 609/409 or CRJU 460.

### **410. Police Administration (3)**

Prerequisites: A grade of "C" or better in CRJU 302 and CRJU 330.

Organizational management and systems approach to the study of police administration. Emphasizes the administration of various police functions, organizational structures, resources management, operational techniques, professional ethics, and leadership principles and their implications for generalized and specialized units.

Not open for credit to students with credit in CRIM 325.

### **412. Criminal Investigation (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 302.

Study of basic principles of criminal investigation. Analysis of investigative techniques; patterns and modus operandi; interviewing and interrogation strategies; collection and management of evidence; surveillance; and crime scene investigation. Theories, philosophies, and concepts related to suppression of crime are covered.

Not open for credit to students with credit in CRIM 361. Letter grade only (A-F).

### **420. Legal Aspects of Corrections (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 303.

Overview of court decisions related to corrections. Study of current legal issues and their impact on correctional policies and procedures.

Not open for credit to students with credit in CRIM 356.

### **421. Probation, Parole and Community Corrections (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 303.

Focus is on probation, parole and other intermediate sanctions and community treatment options. Each is examined from both punishment and treatment model perspectives. The pre-sentence investigation (PSI) will be analyzed. Supervision of offender in community and revocation will be discussed.

Not open for credit to students with credit in CRIM 470. Field trips may be required.

### **422. Correctional Counseling (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 303.

Techniques of counseling strategies utilized by correctional workers, including reality therapy, behavior modification, group counseling, and 12-step programs. Evaluation of the effectiveness of correctional treatment with emphasis on treatment of substance abuse, mental illness, sex offenders, and female offenders.

### **423. Correctional Environments (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 303.

An introduction to American penology through six all-day field trips to city, county, state, and federal correctional facilities. Includes observations of juvenile court proceedings and visits to county juvenile halls, a juvenile treatment facility, and a state youthful offender institution.

Not open for credit to students with credit in CRIM 369. Letter grade only (A-F). Special start dates and end dates apply. Full-day field trips are required. Course fee may be required.

### **430. Criminal Evidence and Trials (3)**

Prerequisites: A grade of "C" or better in CRJU 301, CRJU 340, CRJU 350; and consent of instructor.

Using a mock-trial approach, an in-depth study of procedural, evidentiary, tactical, and ethical problems experienced by lawyers, witnesses, and defendants. Emphasis on the rules of evidence and expert testimony as it relates to policing and the forensic sciences.

### **431. Courtroom Environments (3)**

Prerequisites: CRJU 101, 110, and 301

An introduction to how the criminal court system operates in practice through six full-day field trips to state and federal, adult and juvenile, trial and appellate courts. Includes meetings with courtroom actors such as judges, prosecutors, and defense attorneys.

Letter grade only (A-F). Special start dates and end dates apply. Full-day field trips are required.

### **440. Criminalistics: Forensic Science in the Crime Laboratory (3)**

Prerequisite: A grade of "C" or better in CRJU 230 or consent of instructor.

Overview of general principles of forensic science, techniques, equipment, and methodologies as used in crime laboratories. Focus on fingerprint and firearm identification, trace evidence (hair, fiber, paint, glass), blood, DNA evidence, forensic document examination, crime scene kits, and forensic microscopy.

Not open for credit to students with credit in CRIM 462. Letter grade only (A-F).

### **441. Investigating High-Tech Crimes (3)**

Prerequisite: A grade of "C" or better in CRJU 230 or consent of instructor.

Overview of general classification, devices, microscopy, and methodologies in investigating high-tech crimes. Focuses on counterfeiting and fraud related to U.S. currency, credit card, checks, driver's licenses, social security cards, DVS/CD, cable TV box/satellite TV cards, and computer-based "cybercrimes."

Not open for credit to students with credit in CRIM 463. Letter grade only (A-F).

### **442. Forensic Psychology and the Criminal Justice System (3)**

Prerequisites: A grade of "C" or better in CRJU 301.

An interdisciplinary examination of the relationship between psychiatry, clinical psychology, and the criminal justice system with regard to mentally-ill criminal offenders. Focus is on the legal standards for determining various criminal competencies, insanity, diminished capacity, and related defenses of excuse.

### **443. Forensic Pathology and the Medical-Legal Investigation of Death (3)**

Prerequisite: A grade of "C" or better in CRJU 230 or consent of instructor.

A multimedia examination of the medico-legal investigation of death. Focuses on thanatology and thanato-etiology of unexpected natural deaths, accidental deaths, suicides, and homicides. Special attention to deaths by gunshot wound, sharp force injury, blunt force trauma, asphyxiation, and electrocution.

Letter grade only (A-F). Field trips may be required.

#### **450. Domestic Violence and the Criminal Justice System (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, CRJU 301, CRJU 302, and CRJU 304.

Domestic violence is studied as a phenomenon that impacts the criminal justice system. Spousal/intimate partner abuse, child abuse, and elder abuse are studied from a multidisciplinary perspective. Strategies for criminal justice personnel handling these cases are stressed.

Not open for credit to students with credit in CRIM 492.

#### **461. Sex, Sexuality, Crime, and Punishment (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, CRJU 302, CRJU 303, and CRJU 304.

All other majors: upper-division standing and at least one other WGSS course, or consent of the instructor.

Transdisciplinary and critical examination of the accepted boundaries of human sexual behavior and opposing perspectives regarding the roles of criminal justice actors and institutions in regulating sex and sexuality, with special attention paid to sex-related crimes, offenders, and victims.

Same course as WGSS 417. Not open for credit to students with credit in WGSS 417.

#### **470. Qualitative Approaches to Criminal Justice Research (3)**

Prerequisites: A grade of "C" or better in CRJU 101, CRJU 110, and CRJU 304.

Qualitative research methodologies for studying criminal behavior and criminal justice system participants. Students will develop, implement, analyze, and write a qualitative research project while adhering to ethical responsibilities regarding human subjects, natural settings, and the dissemination of research.

#### **490. Selected Topics in Criminal Justice (3)**

Prerequisites: A grade of "C" or better in all 300-level core courses or consent of instructor.

Advanced and specialized topics of current interest in the field of criminal justice selected for intensive development.

May be repeated to a maximum of 9 units with different topics in the same semester. Topics announced in the *Schedule of Classes*.

#### **491. Internship (3)**

Prerequisites: Departmental consent or a grade of "C" or better in 7 of the 9 300-level core courses (CRJU 301, CRJU 302, CRJU 303, CRJU 304, CRJU 320, CRJU 325, CRJU 330, CRJU 340, and CRJU 350).

Supervised work experience in a criminal justice agency for at least 65 hours.

Letter grade only (A-F). May be repeated for 3 additional units.

#### **492. Internship (6)**

Prerequisites: Departmental consent or a grade of "C" or better in seven of the nine 300-level core courses (CRJU 301, CRJU 302, CRJU 303, CRJU 304, CRJU 320, CRJU 325, CRJU 330, CRJU 340, and CRJU 350).

Supervised work experience in a criminal justice agency.

Letter grade only (A-F). Not open for credit to students employed in criminal justice agencies.

#### **497. Directed Research or Independent Study (3)**

Prerequisites: A grade of "C" or better in all 300-level core courses (CRJU 301, CRJU 302, CRJU 303, CRJU 304, CRJU 320, CRJU 325, CRJU 330, CRJU 340, and CRJU 350) or consent of instructor.

For students who wish to learn about a topic related to criminology, criminal justice, or forensics in great detail through independent reading and writing assigned by a faculty member.

May be repeated to a maximum of 9 units.

#### **498. Senior Thesis (3)**

Prerequisites/Corequisites: A grade of "C" or better in all 300-level core courses (CRJU 301, CRJU 302, CRJU 303, CRJU 304, CRJU 320, CRJU 325, CRJU 330, CRJU 340, and CRJU 350); a minimum 3.0 grade point average, and consent of instructor.

For students who wish to engage in intensive guided research and write a thesis under the direction of a panel of three faculty members. Highly recommended for students who plan to pursue graduate or law school.

May be repeated for a maximum of 6 units with the same topic.

### **GRADUATE LEVEL**

#### **501. Proseminar and Professional Writing in Criminology and Criminal Justice (3)**

Prerequisite: Restricted to Criminal Justice master's students; all other students must have consent of Graduate Advisor.

Overview of graduate study in criminology and criminal justice, focusing multidisciplinary library research for evaluating primary sources used at the graduate level; locating statistical data; and exploring research ideas presented by faculty, students, and guests.

Not open for credit to students with credit in CRIM 584 or CRJU 551. Letter grade only (A-F).

#### **504. Criminological Theory (3)**

Prerequisite: Restricted to criminal justice masters students; all other students must have consent from the Graduate Advisor.

Exploration of theories and policy implication of crime. Political, social, and economic context will be used to explore the ecology of criminal behavior. Underpinnings of criminological theory are traced through history by focusing on connection to biology, psychology, and sociology.

Not open for credit to students with credit in CRIM 581. Letter grade only (A-F).

#### **520. Advanced Criminal Justice Research Methods (3)**

Prerequisites: CRJU 320 and CRJU 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.

An in-depth exploration of the scientific methods used in criminology and criminal justice research, including research design and both quantitative and qualitative research methodologies. Special attention is paid to the ethics of human subjects research.

Not open for credit to students with credit in CRIM 583. Letter grade only (A-F).

#### **525. Advanced Statistics for Criminal Justice (3)**

Prerequisite: CRJU 320 and CRJU 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.

Nonparametric, bivariate, and multivariate inferential statistics that are used for quantitative data analysis by criminal justice researchers and practitioners.

Not open for credit to students with credit in CRIM 582. Letter grade only (A-F).

#### **530. Criminal Justice Ethics, Values, and Diversity (3)**

Prerequisites: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

Identifies and explores ethics and values in the criminal justice system, paying special attention to issues of social inequality. Discusses remedial strategies and behavior relating to unethical behavior from an individual and group perspective.

Not open for credit to students with credit in CRIM 512. Letter grade only (A-F).

### **535. Criminal Justice Policy (3)**

Prerequisites: CRJU 504, CRJU 520, and CRJU 525.

Critical evaluation of policy-oriented scholarly literature in criminology and criminal justice, focusing on contemporary literature related to the philosophical, social, political, and legal policy issues affecting the American criminal justice system.

Letter grade only (A-F).

### **540. Substantive Criminal Law (3)**

Prerequisites: Consent of Criminal Justice Graduate Advisor.

Analysis of the historical development of criminal law and the underlying principles used to interpret it. Focuses on statutory construction and case law deconstruction of the elements and defenses to major crimes, and the public policy implications of these interpretations.

Not open for credit to students with credit in CRJU 340. Letter grade only (A-F).

### **550. Constitutional Criminal Procedure (3)**

Prerequisites: Consent of Criminal Justice Graduate Advisor.

A study of criminal procedures mandated by the U.S. Constitution emphasizing searches and seizures under the Fourth Amendment; interrogations and confessions under the Fifth Amendment; the Sixth Amendment right to counsel; and due process under the Fourteenth Amendment.

Not open for credit to students with credit in CRJU 350. Letter grade only (A-F).

### **555. Law, Justice, and Social Control (3)**

Prerequisites: CRJU 340 or CRJU 540 or equivalent undergraduate course in criminal law as approved by Graduate Advisor; and CRJU 350 or CRJU 550 or equivalent undergraduate course in criminal procedure as approved by Graduate Advisor.

Evaluation of the ways in which society responds, both informally and formally, to criminal and non-criminal deviance. Special attention is paid the role of the U.S. Constitution in limiting the exercise of formal social control.

Letter grade only (A-F).

### **604. Terrorism, Homeland Security, and Criminal Justice (3)**

Prerequisites: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

Set against the background of our global community, an examination of the relationship between the historical and contemporary motivations and goals of terrorism, United States Homeland Security and select aspects of the United States criminal justice systems.

Letter grade only (A-F).

### **605. Crime Analysis (4)**

Prerequisites: CRJU 504 and CRJU 525.

Examines the fundamentals of crime analysis with emphasis on crime mapping, criminal network analysis, and crime prevention. The laboratory portion applies hands-on computational techniques to different types of crime data.

(3 hours seminar, 1 hour activity)

### **608. Serial Killers and Psychopaths: The Psychology of the Criminal Mind (3)**

Prerequisites: Restricted to criminal justice master's students; all other students must have consent from the Graduate Advisor.

Integrative examination of the intersection of criminal behavior and severe psychopathology using psychodynamic, behavioral, psychosocial, and neurobiological models. Particular attention is paid to understanding homicide and sex offenses committed by those diagnosed with psychopathy, schizophrenia, and antisocial personality disorder.

### **609/409. Drugs and the Drug War (3)**

Prerequisites: A grade of "C" or better in CRJU 501 and 504 or permission of instructor.

This course engages with the theoretical foundations of drug use and U.S. drug war. The impacts and effectiveness of prohibition, treatment, prevention, interdiction, and harm reduction are assessed. Global policies (e.g., Western Europe, Afghanistan, and South America) are integrated throughout.

Letter grade only (A-F). Not open for credit to students with credit in CRJU 409 or 460.

### **621. Administration and Management of Criminal Justice Organizations (3)**

Prerequisites: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

Introduction to the management of criminal justice agencies in the U.S. Examines the purposes, goals, and functions of administrative principles from a multidisciplinary systems perspective to develop both a theoretical and practical understanding of criminal justice leadership and management.

Not open for credit to students with credit in CRIM 621. Letter grade only (A-F).

### **631. Legal Issues in Criminal Justice (3)**

Prerequisites: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

Analysis of current and controversial legal issues in the criminal justice system focusing on controversial decisions of the U.S. Supreme Court.

Not open for credit to students with credit in CRIM 551. Letter grade only (A-F).

### **640. Criminalistics: Forensic Science in the Crime Laboratory (3)**

Prerequisite: Restricted to criminal justice masters students only; all others require consent of the Graduate Advisor.

Overview of general principles of forensic science, techniques, equipment, and methodologies as used in crime laboratories. Focus on fingerprint and firearm identification, trace evidence (hair, fiber, paint, glass), blood, DNA evidence, forensic document examination, crime scene kits, and forensic microscopy.

Not open for credit to students with credit in CRIM 562. Letter grade only (A-F). Undergraduate students register for CRJU 440; graduate students for CRJU 640.

### **641. Investigating High-Tech Crimes (3)**

Prerequisite: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

Overview of general classification, devices, microscopy, and methodologies in

investigating high-tech crimes. Focuses on counterfeiting and fraud related to U.S. currency, credit card, checks, driver's licenses, social security cards, DVS/CD, cable TV box/satellite TV cards, and computer-based "cybercrimes."

Not open for credit to students with credit in CRIM 563. Letter grade only (A-F).

### **642. Forensic Psychology and the Criminal Justice System (3)**

Prerequisites: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

An interdisciplinary examination of the relationship between psychiatry, clinical psychology, and the criminal justice system with regard to mentally-ill criminal offenders. Focus is on the legal standards for determining various criminal competencies, insanity, diminished capacity, and related defenses of excuse.

Letter grade only (A-F).

**643. Forensic Pathology and the Medical-Legal Investigation of Death (3)**

Prerequisite: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

A multimedia examination of the medico-legal investigation of death. Focuses on thanatology and thanato-etiology of unexpected natural deaths, accidental deaths, suicides, and homicides. Special attention to deaths by gunshot wound, sharp force injury, blunt force trauma, asphyxiation, and electrocution.

Letter grade only (A-F). Field trips may be required.

**661. Sex, Sexuality, Crime, and Punishment (3)**

Prerequisites: Open to criminal justice master's students only.

Transdisciplinary and critical examination of the accepted boundaries of human sexual behavior and opposing perspectives regarding the roles of criminal justice actors and institutions in regulating sex and sexuality, with special attention paid to sex-related crimes, offenders, and victims.

**670. Qualitative Approaches to Criminal Justice Research (3)**

Prerequisite: CRJU 504.

Qualitative research methodologies for studying criminal behavior and criminal justice system participants. Students will develop, implement, analyze, and write a qualitative research project while adhering to ethical responsibilities regarding human subjects, natural settings, and the dissemination of research.

**690. Selected Topics in Criminal Justice (3)**

Advanced and specialized topics of current interest in the field of criminal justice selected for intensive development.

May be repeated to a maximum of 9 units with different topics in the same semester. Topics announced in the *Schedule of Classes*.

**691. Instructional Strategies for Criminal Justice Professionals (3)**

Prerequisites/Corequisites: Consent of instructor.

A structured program to teach graduate students how to create and deliver college-level instruction in criminal justice. Includes design of assignments within a measurable assessment framework; development of teaching strategies; and appropriate use of media and other pedagogical devices. May require time outside of semester format.

Letter grade only (A-F). May be repeated to a maximum of 6 units in different semesters.

**694. Thesis I (3)**

Prerequisites: Advancement to candidacy as a criminal justice master's student.

Student works under direct faculty supervision to complete a proposal for the thesis research study. Review of the literature on a topic and development of appropriate methodology.

Not open for credit to students with credit in CRIM 695. Letter grade only (A-F).

**695. Directed Readings/Independent Study (1-4)**

Prerequisites: Consent of instructor.

For students who wish to learn about a topic related to criminology, criminal justice, or forensics in great detail through independent reading and writing assigned by a faculty member.

May be repeated to a maximum of 6 units.

**697. Directed Research (1-4)**

Prerequisites: Consent of instructor.

Extensive independent research on assigned topic addressing theoretical criminology and synthesis of literature on current issues in criminal justice.

Letter grade only (A-F). May be repeated to a maximum of 8 units in different semesters.

**698. Thesis II (3)**

Prerequisites: CRJU 694.

Student works under direct faculty supervision to complete a master's thesis research study.

Not open for credit to students with credit in CRIM 698. Letter grade only (A-F).

# EMERGENCY MANAGEMENT

College of Health and Human Services

School of Criminology, Criminal Justice and Emergency Management

**Program Director:** Ryan G. Fischer, Ph.D.

**School Director:** Brenda Vogel

**Department Office:** Engineering Technology (ET) 232

**Telephone:** (562) 985-8965

**Faculty:** Shirley Feldmann-Jensen, Peter Kreysa (Family and Consumer Sciences), William Goeller, James Hutchinson, Michael Bethany, Judith Colle, Doug Weeks, Valerie Lucas-McEwen, Christine Rodrigue (Geography), Joanne M. Tortorici Luna (Advanced Studies in Education and Counseling)

**Graduate Advisor:** Peter G. Kreysa

**Administrative Assistant:** Durrell Dew

## Career Possibilities

In recent years, emergency services professions have become extremely competitive, with demands for personnel to further their education to attain promotion and keep up with technical advances. Those in the following fields are well-suited for this program:

- Firefighters
- Law enforcement
- Emergency medical services personnel
- Military personnel
- Emergency managers
- Public health practitioners
- Public administrators
- NGO administrators
- Business continuity planners
- Other professionals with a strong interest in how disasters influence their field

(Some of these, and other careers, require additional education or experience. For more information, visit [www.careers.csulb.edu](http://www.careers.csulb.edu).)

## Master of Science in Emergency Services Administration

The Master of Science in Emergency Services Administration (EMER) degree program at California State University, Long Beach (CSULB) is an entirely online program that will help students develop the leadership and critical thinking skills needed to build stronger organizations and disaster-resilient communities. The program will educate you in the interdisciplinary research and theory of disaster management as you create a project that directly strengthens and benefits your organization or community. This program is offered only through College of Continuing and Professional Education at a higher tuition rate.

### Admission Criteria

1. Obtain admission to the graduate program by completing and forwarding the official CSULB graduate admissions forms and fees to the University's Office of Enrollment Services. Each applicant for graduate standing shall have completed an appropriate baccalaureate degree from an accredited university.
2. A resume and a letter of intent that includes a summary

of the applicant's reasons for seeking a master's degree in Emergency Services Administration. Both documents must be sent directly to the Department's Graduate Advisor.

3. Three letters of recommendation from persons able to testify to the applicant's academic ability, preferably from former professors or immediate supervisors. These letters must be sent directly to the Department's Graduate Advisor.
4. Have at least a 3.0 grade-point average in the last 60 semester units attempted. A student whose overall grade point average is less than 3.0, but who presents acceptable evidence of professional potential either through recent academic performance and/or experiential background may be admitted by special action of the Department's Graduate Committee.
5. Be accepted by the department and graduate advisor for admission to the program.

### Advancement to Candidacy

1. Satisfaction of the general University requirements for advancement to candidacy, including successful completion of the Graduation Writing Assessment Requirement (GWAR);
2. Completion of all core courses;
3. Maintenance of "B" average (3.0 GPA) in all work completed in graduate program;
4. Approval of Emergency Management Graduate Faculty and Director of Graduate Studies and Research, College of Health and Human Services.

### Requirements

Satisfactory completion of 32 units of approved graduate courses to include:

1. Take all of the following courses (23 units):
  - EMER 500 Information Literacy and Practical Writing Applications for Emergency Management
  - EMER 506 Emergency Planning and Management (3)  
Prerequisites: None.
  - EMER 530 Applied Research Methods and Analytical Techniques for Decision Support and Innovation (4)  
Prerequisites: EMER 506.
  - EMER 540 Emergency Management Organizations: Constructs for Influencing Complex Systems (3)  
Prerequisites: None.
  - EMER 548 Risk, Crisis, and Inter-Agency Communications (3)  
Prerequisites: EMER 500
  - EMER 661 Emergency Management Leadership Across the Megacommunity (3)  
Prerequisites: EMER 500, EMER 506, EMER 530 and 540.
  - EMER 671 Strategic Planning and Integrative Practices in Emergency Services Administration (3)  
Prerequisites: EMER 500, EMER 506, EMER 530, EMER 540, and EMER 548.
2. Take two additional elective courses selected in consultation with a faculty advisor (6 units).
3. In order to satisfy the culminating activity requirement (thesis, project, or comprehensive examination dependent upon the program), students must earn at least three

(3) units and no more than six (6) units related to the completion of the culminating activity. Take all of the following courses as noted (4 units):

Project Students take both the following courses:

EMER 694A Project Proposal Defense: Strategic Planning and Integrative Practices in Emergency Services Administration (1)  
Prerequisites: EMER 671 and Advancement to Candidacy

EMER 694B Project: Strategic Planning and Integrative Practices in Emergency Services Administration (3)  
Prerequisites: EMER 671.

Thesis Students take the following course (Note: In order to satisfy the culminating activity requirement (thesis, project, or comprehensive examination dependent upon the program), students must earn at least three (3) units and no more than six (6) units related to the completion of the culminating activity):

EMER 698 Thesis (1-4)

Prerequisites: Advancement to Candidacy.

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## Courses (EMER)

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### GRADUATE LEVEL

#### **500. Information Literacy and Practical Writing Applications for Emergency Management (3)**

Prerequisite: None

Corequisite: None

Research processes and methods for retrieving emergency management information. Writing preparation for academic and professional documents in emergency management. On-campus and free-source e-learning technologies to interface with program content, student and faculty communications, and course projects and evaluations. Construction of webpages.

Letter grade only (A-F). Not open for credit to students with credit in EMER 502 or EMER 504.

#### **506. Emergency Planning and Management (3)**

The planning and management processes and the issues involved in large-scale emergencies. The nature of natural and technological risk and emergency will be explored via case studies. Public sector roles in contingency planning and response will be assessed.

Letter grade only (A-F). Same course as PPA 542. Not open for credit to students with credit in PPA 542 or EMER 542.

#### **530. Applied Research Methods and Analytical Techniques for Decision Support and Innovation (4)**

Prerequisite: EMER 506

Critical analysis of interdisciplinary research, theory and multi-methods appropriate for application within emergency services and management are examined using quantitative and qualitative analysis.

Letter grade only (A-F).

#### **540. Emergency Management Organizations: Constructs for Influencing Complex Systems (3)**

Historical events, policies, and complex organizational settings that shape emergency management organizations. Critical reviews of modern and post-modern organizational theories associated with complex systems. Strategic improvements in emergency management organizations.

Letter grade only (A-F).

#### **543. Legal, Economic, and Human Issues in Emergency Administration (3)**

Legal, strategic, political, economic, ethical, and human issues encountered in the management of disasters or major traumatic public events.

Letter grade only (A-F). (Discussion 3 hours.)

#### **545. Disaster Mental Health Issues in Emergency Management (3)**

Prerequisites: EMER 500

Theories and practical applications of emergency mental health and self-care for those responding to, or managing response to, widespread natural and human-induced disasters.

Letter grade only (A-F).

#### **547. Continuity of Operations, Recovery, and Emergency Management (3)**

Prerequisites: EMER 500 and EMER 506

Development and maintenance of comprehensive emergency management programs for business and industry. Plan development and implementation, vulnerability analysis, hazard identification, life safety, property protection, communications and community outreach.

Letter grade only (A-F).

#### **548. Risk, Crisis, and Inter-Agency Communications (3)**

Prerequisite: EMER 500

Theory and practical applications of emergency communications for those responding to or managing response to widespread natural and human-induced disasters.

Letter grade only (A-F).

#### **601. Technology, Cybersecurity, and Emergency Management (3)**

Prerequisite: EMER 500 and EMER 506.

Role of technology in effective emergency management. Exploration of Internet, disaster simulation software, and geographic tools such as GIS, GPS, and direct and remote sensing devices through case study analyses and in-class simulations.

Letter grade only (A-F).

#### **605. Public Health Issues in Emergency Management (3)**

Prerequisite: EMER 500.

Roles and responsibilities of the public health system in emergency management. Structure of public health systems, management tools, public health intervention strategies, communication, collaboration, and ethical considerations. Role of public health regarding assessments following disasters and maintaining public health standards.

Letter grade only (A-F).

#### **631. International Emergency Administration Systems: Comparative Analysis (3)**

Prerequisite: EMER 500

Comparative analysis of international emergency management systems and structures. Implications of emerging threats and disasters in an increasingly interdependent world.

Letter grade only (A-F).

#### **650. Graduate Seminar (3)**

Prerequisites: EMER 500 and EMER 506

Students will undertake literature reviews and/or research to explore emerging issues, trends and research in the field of emergency services administration.

Letter grade only (A-F).



### **661. Emergency Management Leadership Across the Megacommunity (3)**

Prerequisites: EMER 500, EMER 506, EMER 530 and 540.

Competencies of professional emergency management defined through the megacommunity. Models of strategic leadership in all phases of disaster management, with often competing professional organizations and networks, across culturally and economically diverse constituencies, and for natural or human-made disasters.

Letter grade only (A-F).

### **671. Strategic Planning and Integrative Practices in Emergency Services Administration (3)**

Prerequisites: EMER 500, EMER 506, EMER 530, EMER 540, and EMER 548

Capstone course focusing on all phases of disaster management of selected disaster case studies, a natural disaster and human-made event, using existing research literature, Internet-based simulation software, and post-incident evaluation techniques.

Letter grade only (A-F).

### **690. Selected Topics in Emergency Management (1-6)**

Prerequisites: EMER 500 and EMER 506

Group investigation of selected topics.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in the same semester. Topics announced in the *Schedule of Classes*.

### **694A. Project Proposal Defense: Strategic Planning and Integrative Practices in Emergency Services Administration (1)**

Prerequisite: EMER 671 and Advancement to Candidacy

Capstone course synthesizing research on all phases of disaster management and research methodologies leading to the development and implementation of a collaborative group project designed to provide practical solutions to an existing problem within the emergency services megacommunity.

Letter grade only (A-F). May be repeated up to nine units in different semesters.

### **694B. Project: Strategic Planning and Integrative Practices in Emergency Services Administration (3)**

Prerequisite: EMER 671

Presentation to EMER faculty of EMER 694A Capstone Group Project delivered through digital media. Evaluation of individual student electronic portfolios.

Letter grade only (A-F). May be repeated up to three units in different semesters.

### **695. Independent Study (1-6)**

For students who wish to focus their studies on a specific area of emergency services administration which coincides with a faculty member's research or practical expertise.

Letter grade only (A-F).

### **697. Directed Studies (3)**

Prerequisites: Advancement to Candidacy

Research in an area of specialization under the direction of a faculty member.

Letter grade only (A-F).

### **698. Thesis (1-4)**

Prerequisites: Advancement to Candidacy.

Planning, preparation, and completion of a thesis

Letter grade only (A-F).

# FAMILY AND CONSUMER SCIENCES

College of Health and Human Services

**Department Chair:** Wendy Reiboldt

**Department Office:** Family and Consumer Sciences (FCS) - 001  
Telephone / Fax: (562) 985-4484 / 985-4414  
Website: [www.csulb.edu/colleges/chhs/departments/fcs](http://www.csulb.edu/colleges/chhs/departments/fcs)

**Faculty:** Mariné Aghekyan, Michelle Barrack, Lee Blecher, Marie Botkin, Maria Claver, Gail C. Frank, Virginia Gray, Libby Gustin, Young Ha, HyeJeong King, James E. Koval, Peter Kreysa, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Cheryl Rock, Roudi Roy, MyungHee Sohn, Richard V. Tuveson, Long Wang, Jung-Mao (Ronnie) Yeh

**Baccalaureate Program Coordinator:** Richard V. Tuveson

**Graduate Coordinator:** Virginia Gray

**Administrative Support Coordinators:**  
Mikal Lok, Marina Bendersky, Andrew Redmayne

**Instructional Support Technician:** Bonnie Rice

## Accreditation

The Department of Family and Consumer Sciences is accredited by the American Association of Family and Consumer Sciences (AAFCS) (American Association of Family and Consumer Sciences, Council for Accreditation, 1555 King Street, Alexandria, VA 22314, phone: 703-706-4600). The Didactic Program in Dietetics and the Dietetic Internship are currently granted accreditation by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, phone: 312-899-0040, ext. 5400. The Hospitality Management program is accredited by the Accreditation Commission for Programs in Hospitality Administration. The Preschool and Toddler Study Laboratories are accredited by The National Association for the Education of Young Children. Family Studies Program is approved by the National Council on Family Relations to offer a program leading to Provisional Family Life Education Certification.

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## Undergraduate Programs

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### Bachelor of Arts in Family and Consumer Sciences

This degree offers six options:

- Child Development and Family Studies
- Consumer Affairs
- Family Life Education
- Fashion Design
- Fashion Merchandising

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Dietetics and Food Administration

This degree offers two options:

- Nutrition and Dietetics
- Food Science (suspended)

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Hospitality Management

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

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## Graduate Programs

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### Master of Arts in Family and Consumer Sciences

Please note, admission to this program is currently suspended to new students.

A Master's in Business Administration (MBA) with a Specialization in Consumer Affairs, Fashion Merchandising and Design, or Hospitality Management is offered through the College of Business Administration. Please contact the advisor in these areas for further information. The advisors include:

- Dr. Wendy Reiboldt ([Wendy.Reiboldt@csulb.edu](mailto:Wendy.Reiboldt@csulb.edu)),  
Consumer Affairs
- Dr. Marine Aghekyan ([Marine.Aghekyan@csulb.edu](mailto:Marine.Aghekyan@csulb.edu)),  
Fashion Merchandising and Design
- Dr. Libby Gustin ([Libby.Gustin@csulb.edu](mailto:Libby.Gustin@csulb.edu)), Hospitality  
Management

This program is designed to prepare students with a background in program evaluation and administration, research methods, and application of advanced subject matter knowledge to enhance the quality of life of individuals, families, and communities. The advanced candidate selects either a thesis track or directed project track to facilitate a selected career path.

There are four specializations in this program:

- Consumer Affairs
- Family and Consumer Sciences Education
- Fashion Merchandising
- Hospitality Management

Interested students should contact the Department of Family and Consumer Sciences Graduate Coordinator at (562) 985-4484. Online information can be found at <http://www.csulb.edu/colleges/chhs/departments/fcs/programs/graduate/MADegree.htm>.

### Admission

Prospective applicants must comply with University requirements for admission to graduate studies as outlined in this catalog. Students must concurrently submit application to the University Admissions and Records office and the Department. A cohort of students will be admitted each Fall semester.

### Admission Requirements to the Department

Admission to the Master of Arts in Family and Consumer Sciences is dependent upon approval by the Graduate

Coordinator. The application requirements for prospective graduate students for the Master of Arts degree are:

1. Meet minimum University requirements for admission as well as the standards established by the program.
2. One letter of recommendation sent to the Graduate Coordinator.
3. Additional materials that provide evidence of academic performance may be requested (at a later date) after review of applicant's file.
4. Approval by the Graduate Coordinator.
5. For students specializing in Fashion Merchandising, GRE scores are required.

### Prerequisites

1. Students are responsible for meeting all prerequisite requirements prior to enrolling in 500/600 level courses.
  - A. The Graduate Coordinator and/or faculty advisor will evaluate transcripts. The student who needs to complete prerequisite deficiencies must do so using a program of study developed with the specialization area faculty advisor and approved by the Graduate Coordinator.
  - B. The student who needs to pass the Test of English as a Foreign Language (TOEFL) must do so within one year of admission.
2. Students from other disciplines may be required to complete prerequisite courses before enrolling in 500/600 level courses.
3. Prerequisites for all courses carrying graduate credit must have been completed within five years of taking the graduate courses. If the prerequisite is outdated, the prerequisite(s) must be repeated or credit obtained by examination.
4. Students deficient in undergraduate preparation must take courses to remove these deficiencies at the discretion of faculty in the specified subject matter area and the Graduate Coordinator. Courses taken to remove deficiencies may not be included in the graduate program of study.

### Retention

1. Maintain a 3.0 or better grade point average in all graduate work completed at CSULB and all graduate work transferred to meet graduate requirements.
2. Maintain satisfactory progress toward the degree objective.

### Advancement to Candidacy

1. Satisfy the general University requirements for Advancement to Candidacy;
2. Complete all required core courses: EDP 419; FCS 563, FCS 600, FCS 696
3. Approval of the Graduate Coordinator, and Associate Dean of the College of Health and Human Services.

### Requirements for Graduation

1. Meet University regulations that apply to all graduate programs.
2. Complete minimum of 30 units of approved upper-division and graduate courses.
3. Complete the following required core courses (12 units):

FCS 563 Program Evaluation (3)

Prerequisites: Upper division or graduate course in statistics; FCS 696 (may be taken concurrently) or equivalent.

FCS 600 Seminar in Leadership and Administration (3)

Prerequisites: Graduate standing.

FCS 691 Instructional Strategies (3)

Prerequisite: Graduate standing.

FCS 696 Research Methods (3)

Prerequisites: Upper-division course in statistics.

4. Take the following courses (6 units):

FCS 697 Directed Research (3)

Prerequisites: Advancement to candidacy.  
and

FCS 692 Directed Project (3)

Prerequisites: FCS 697.

or

FCS 698 Thesis (3)

Prerequisites: FCS 697.

5. Complete an additional 12 units of Advisor approved courses.
6. Complete a defense of the research proposal, and oral defense of Thesis or Directed Project to the research committee, and Poster Presentation at FCS Department Poster Session.

## Master of Science in Nutritional Science

This degree offers four emphases: Nutritional Science, Latino Health and Nutrition, Food Science, and Dietetic Internship.

### Admission Criteria

Prospective applicants must comply with University requirements for admission to graduate studies as outlined in this catalog. Students must concurrently submit applications to the University Admissions and Records Office and the Department of Family and Consumer Sciences.

Admission to the Master of Science in Nutritional Science is dependent upon the recommendation by the Graduate Coordinator and the College of Health and Human Services Associate Dean. The requirements for prospective graduate students for the Master of Science degree are:

1. A bachelor's degree in Nutrition, Dietetics, or related field with an undergraduate overall GPA of 3.0 and a GPA of 3.0 on the last 60 undergraduate units attempted.
2. A minimum score of 4 on the Analytical Writing section of the general GRE.
3. A passing score on the test of English as a Foreign Language (TOEFL) if the applicant's native language is not English and preparatory education was principally in a language other than English.
4. Submission of the following to the Graduate Coordinator in the Department of Family and Consumer Sciences:
  - A. A copy of the completed application submitted to the CSULB Office of Enrollment Services.
  - B. Three letters of recommendation with at least two from instructors who have direct knowledge of the applicant's scholastic ability and professional qualifications.
5. Completion of all prerequisites for 500/600 level courses prior to admission.

CSUMENTOR.edu and Program Applications must be postmarked by the deadline as seen on the Graduate Advising home page for the fall semester to receive consideration for admission.

### **Additional Admission Criteria for Students Choosing the Dietetic Internship Emphasis**

1. Completion of an ACEND accredited Didactic Program in Dietetics with an original Verification Statement from the Didactic Program Director;
2. Related volunteer or work experience in the United States;
3. Completion of the Dietetic Internship Centralized Application System (DICAS) application by the deadline as seen on the Graduate Advising home page for the fall semester to receive consideration for admission;
4. Additional application materials to Program Director postmarked by the deadline as seen on the Graduate Advising home page for the fall semester to receive consideration for admission which includes a nutrition-related experience worksheet and a GPA calculation sheet (both forms can be downloaded from the Internship Program website: [www.csulb.edu/dieteticinternship](http://www.csulb.edu/dieteticinternship)); and,
5. Interview with Program Director and review committee.

### **Prerequisites**

1. Prerequisites for all courses carrying graduate credit must have been completed within five years of taking the graduate courses. If any prerequisite is outdated, it may be repeated or credit obtained by written examination.

### **Advancement to Candidacy**

1. Complete 9 units of graduate courses, including FCS 696.
2. Maintain a 3.0 GPA for all course work attempted as a graduate student.
3. Complete a Program of Study in consultation with a faculty advisor.
4. Approval by the Graduate Coordinator of Family and Consumer Sciences and the Associate Dean of the College of Health and Human Services.
5. Enrolled in the semester in which the Advancement to Candidacy takes place.

### **Retention**

1. Maintain a minimum of 3.0 GPA in all graduate work completed at CSULB and all graduate work transferred to meet graduate requirements.
2. Maintain satisfactory progress toward the degree objective.

### **Requirements**

Completion of a minimum of 36 units.

Take all of the following core courses (15 units)

EDP 519 or HSC 503 or statistics course approved by the faculty advisor.

FCS 530A Carbohydrates, Lipids and Proteins (3)  
Prerequisites: NUTR 436, NUTR 335 BIOL 260.

FCS 530B Vitamins and Minerals (3)  
Prerequisites: NUTR 436, NUTR 335 BIOL 260.

FCS 696 Research Methods (3)

Prerequisite: Upper-division course in statistics.

FCS 697 Directed Research (3)

Prerequisite: Advancement to candidacy.

Take one of the following capstone courses (3 units):

FCS 692 Directed Project (3)

Prerequisite: FCS 697.

FCS 698 Thesis (3)

Prerequisite: FCS 697

### **Defense of Research Proposal, Oral Defense of Thesis or Directed Project to Committee, and Poster Presentation at FCS Department Poster Session**

Complete one of the following emphases (18 units):

1. Select 6 courses for the Nutritional Science Emphasis.  
FCS 531, FCS 539, FCS 563, FCS/KIN 568, FCS 636; BIOL 570; EDAD 541, EDAD 677A; HSC 430, HSC 500; KIN 551, KIN 566  
Or other courses selected in consultation with the Graduate Advisor.
2. Select 6 courses in the Latino Health and Nutrition Emphasis:  
HSC 507; FCS or HSC 534; FCS or HSC 537; HHS 592A, HHS 634, HHS 635
3. Select 6 courses in the Food Science Emphasis:  
FCS 532, FCS 535, FCS 592, FCS 597

Electives selected in consultation with Graduate Advisor (6)

4. Academy of Nutrition and Dietetics Accredited Internship Program:  
FCS 591A Professional Practicum in Dietetics (3,3,3)  
FCS 591B Seminar in Dietetic Practice (3,3)  
One 3 unit elective course (3)

The department offers a combined Master of Science in Nutritional Science and Internship Program in Nutrition and Dietetics (IPND) supervised practice. The IPND is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND). Upon successful completion of the IPND, the student will be eligible to write the Registration Examination for Dietitians.

The IPND's mission is to provide contemporary training of the entry-level nutrition professionals who will become valued leaders in multi-ethnic communities, healthcare programs and food production settings for the years 2012-2022. Two major goals of the IPND are:

1. To prepare entry-level dietitians who can apply the science of nutrition for the well-being of individuals throughout the lifecycle, and
2. To prepare graduates of a Master of Science in Nutritional Science degree who are dedicated and confident in their profession.

The Internship Program has a "Nutrition Across the Life Cycle Communication" (NALCC) Concentration. The concentration is designed to develop unique communication, education and health promotion skills. These skills will enhance the ability of graduates to interview, counsel, and guide individuals with nutrition decisions and eating behaviors at all ages of individuals

across the life cycle. In addition, the concentration prepares graduates with the ability to develop health promotion and chronic disease prevention programs for individuals and groups.

The IPND provides 1,200 hours of practicum experience (FCS 591A: Professional Practicum in Dietetics) within a broad array of disciplines including nutrition therapy, foodservice systems management, community and business/ entrepreneurial nutrition. The supervised practice is conducted off campus at a variety of excellent facilities including, but not limited to, medical centers, health departments, school districts and community service organizations. An additional didactic course (FCS 591B: Seminar in Dietetic Practice) supporting the practicum is taken and constitutes 276 hours of class time.

The student must enroll in a minimum of two full academic years to finish both the M.S. in Nutritional Science and the Internship Program. Graduate coursework is to be completed the first year (fall, spring, and summer). Supervised practice is to be completed the second year (second summer session, fall, spring, and summer). The thesis or project is to be completed by the end of the second year.

### **Dietetic Internship Completion**

The student will complete the MS/IPND when the following has been achieved:

1. Completion of 1,200 hours of practicum (FCS 591A) with a minimum of satisfactory performance as evaluated by preceptors and receiving a credit grade in the course;
2. Completion of the Seminar in Dietetic Practice: FCS 591B with a grade of B or higher;
3. Completion of all designated graduate courses with a grade of "B" or higher;
4. Completion of 15 units of core courses and one 3 unit elective course;
5. A written Thesis or Directed Project; and
6. Defense of Research Proposal, Oral Defense of Thesis or Directed Project to Committee, and Poster Presentation at FCS Department Poster Session.

When the student meets these requirements, he/she will receive an ACEND Verification Statement signed by the Program Director. The graduate will then be eligible to attempt the Registered Dietitian exam.

Students can view details of the dietetic internship at [www.csulb.edu/dieteticinternship](http://www.csulb.edu/dieteticinternship).

### **Single Subject Teaching Credential in Home Economics**

For information, refer to the undergraduate section in Family and Consumer Sciences Education.

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## **Family and Consumer Sciences Courses (FCS)**

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### **LOWER DIVISION**

#### **299. Introduction to Family and Consumer Sciences (1)**

Must be taken during first semester as Family and Consumer Sciences or Dietetics and Food Administration major. Provides a general overview of Family and Consumer Sciences as a discipline of study and a profession. Examines historical and philosophical perspectives and considers issues, trends, and

career opportunities within each option in the department.

Letter grade only (A-F). (Lecture-discussion 1 hour) Not open for credit to students with credit in FCSE 299.

### **UPPER DIVISION**

#### **392. FCS Field Experience (3)**

Prerequisites: Upper division standing; majoring in a FCS specialization; consent of instructor.

Field experience (120 hours). Student assumes a pre-professional role in an agency, school, business, or community setting. Objectives and placement preapproved by student's major faculty advisor. Internship supervisor monitors and evaluates student performance based on contractual, pre-established criteria.

Letter grading only (A-F). May be repeated for a maximum of 6 units in different semesters. Not open for credit to students with credit in FCSE 392.

#### **392A. Field Experience in Child Development and Family Studies (3)**

Prerequisites: Upper division standing; major in Family and Consumer Sciences with an Option in Child Development and Family Studies; Consent of Instructor. Not open for credit to students with 6 units of FCSE 392. May not be taken concurrently with CDFS 492A or CDFS 492B.

Field experience (120 hours). Student assumes a pre-professional role in a setting focusing on child development and family studies. Objectives and placement preapproved by major faculty advisor. Internship supervisor monitors and evaluates performance based on contractual, pre-established criteria.

Letter grading only (A-F). May be repeated for a maximum of six units in different semesters.

#### **490. Selected Topics in Family and Consumer Sciences (1-3)**

Group investigation of selected topics.

May be repeated to a maximum of 9 units. Topics announced in the *Schedule of Classes*. (Seminar 1-3 hours) Not open for credit to students with credit in FCSE 490, FCSE 490B or FCSE 490D.

**B. New York Fashion Study Tour (course fee may be required)**

**D. Children and Families in New Zealand and in the U.S.A. Comparative Study Child U.S. and N.Z.**

#### **492G. Internship in Gerontology (3)**

Prerequisites: Student must be a Gerontology Certificate candidate; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of the Gerontology program director; and GERN 400, ANTH 454, PSY 365 or HDEV 357. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for 6 units maximum. Same course as GERN 492G. Not open for credit to students with credit in GERN 492G. (Seminar 3 hours)

#### **497. Directed Studies (1-3)**

Prerequisites: Upper division standing, consent of instructor.

Independent study under the supervision of a faculty member. Exploration/experience in areas not a part of any regular course.

May be repeated to a maximum of 6 units. Not open for credit to students with credit in FCSE 497.

### **499. Professionalism and Leadership in Family and Consumer Sciences (1)**

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Analysis of contemporary issues, public policies and future directions of FCS as discipline of study and a profession with integrated specializations.

Letter grade only (A-F). (Lecture-Discussion 2 hours) Not open for credit to students with credit in FCSE 499.

## **GRADUATE LEVEL**

### **502. Child and Family Law (3)**

Prerequisites: CDFS 312 and upper division standing.

Establishment, conduct, and termination of marital and non-marital family relationships, including the rights and duties of the parties involved. Topics include marital disillusionment, child custody issues, property rights, domestic violence, adoption, support, genetic testing, and new trends in family law.

Letter grade only (A-F). (Lecture-discussion 3 hours)

### **520. Personal Finance for the Aging (3)**

Prerequisites: 400-level course in Consumer Affairs or consent of instructor.

Personal finance as applied to the aging population.

Letter grade only (A-F). Same course as GERN 520. Not open for credit to students with credit in GERN 520. (Lecture-discussion 3 hours)

### **525. Personal Financial Planning Analyses (3)**

Prerequisites: CAFF 223 or consent of instructor.

Analysis and protection of personal and family resources; planning and forecasting goals; development of financial strategies utilizing insurance, investment, tax management, pensions, wills and trusts.

Letter grade only (A-F).

### **526. Family Financial Problems (3)**

Prerequisites: CAFF 223 or consent of instructor.

Theory and practice in the diagnosis of family financial crises; selecting alternative solutions; constructing practical methods for the prevention of family financial problems.

Letter grade only (A-F). (2 hours discussion, 3 hours laboratory).

### **529. Consumer Protection (3)**

Prerequisites: Upper Division course in consumer affairs or consent of instructor.

Concepts of consumer protection with analysis of a myriad of resources available for individuals and families with consumer problems.

Letter grade only (A-F). (Seminar 3 hours)

### **530A. Carbohydrates, Lipids and Proteins (3)**

Prerequisites: NUTR 436, NUTR 335 BIOL 260.

Nutritional, metabolic and clinical aspects of carbohydrates, lipids and proteins. Current knowledge of interactions between macronutrients and assessment of needs.

Letter grade only (A-F). (Seminar 3 hours)

### **530B. Vitamins and Minerals (3)**

Prerequisites: NUTR 436, NUTR 335 BIOL 260.

Nutritional, metabolic and clinical aspects of vitamins and minerals. Current knowledge of interactions between micro- and macro-nutrients. Principles of nutritional status assessment and determination of needs.

Letter grade only (A-F). (Seminar 3 hours)

### **531. Advanced Community Nutrition (3)**

Prerequisites: NUTR 436 and NUTR 335, NUTR 461.

Program planning and evaluation with emphasis on major nutrition-related public health problems among target populations. Protocol development, collection and analysis of data. Verbal and written communications.

Letter grade only (A-F). (Lecture-discussion 3 hours)

### **532. Food Analysis (3)**

Prerequisites: CHEM 227, FSCI 332 or equivalent.

Application of scientific methods of food analysis. Consideration of manner in which such variables as ingredients, proportions, and techniques in food preparation affect the quality of products. Experimental laboratory problems.

Letter grade only (A-F). Course fee may be required. (Seminar 2 hours, Laboratory 3 hours)

### **534. Advanced Latino Nutrition, Health and Chronic Disease Prevention (3)**

Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.

Explores nutrition-related and contextual factors associated with the high rates of chronic disease among diverse Latino-specific subpopulations and provides culturally relevant strategies for prevention.

Letter grade only (A-F). Same course as HSC 534. Not open for credit to students with credit in HSC 534.

### **535. Food Processing, Preservation and Packaging (3)**

Prerequisites: FSCI 332 or consent of instructor.

Methods and technological aspects in food processing, preservation and packaging. Application of principles and assessment of nutrition. Evaluation of chemical additives. Microbiological aspects of food safety.

(Lecture-discussion 2 hours, Laboratory 3 hours)

### **537. Culturally Responsive Nutrition Promotion for Latinos (3)**

Prerequisites: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science or related field.

Explores the need and methods to develop culturally and linguistically relevant nutrition education with a focus on the Latino population. Students will analyze, evaluate, and create culturally competent nutrition interventions for the Latino community.

Letter grade only (A-F). Same course as HSC 537. Not open to students with credit in HSC 537.

### **539. Nutrition and Aging (3)**

Prerequisites: NUTR 132 or BIOL 207 or BIOL 301 or GERN 400 or consent of instructor.

Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older adults.

Letter grade only (A-F). Same course as GERN 539. Not open for credit for students with credit in GERN 439, GERN 539 or NUTR 439.

### **555. Global Perspectives in Fashion Merchandising (3)**

Prerequisites: FMD 351 and FMD 355, MKTG 300, and Graduate standing, or consent of instructor.

Application of merchandising concepts for the budgeting, buying, promoting, and selling of fashion apparel and accessories in global retail organizations.

Letter grade only (A-F).

**558. Fashion Product Development (3)**

Prerequisites: FMD 353, Graduate standing, or consent of the instructor.

Process of designing and engineering fashion products to be serviceable, producible, salable, and profitable for various consumer market segments.

Letter grade only (A-F).

**563. Program Evaluation (3)**

Prerequisites: Upper division or graduate course in statistics; FCS 696 (may be taken concurrently) or equivalent.

Principles, design, and methods of program evaluation for use by Family and Consumer Sciences and Gerontology professionals. Selection and development of instrumentation for data collection and interpretation and methods of reporting.

Letter grade only (A-F). Same course as GERN 563. Not open for credit to students with credit in GERN 563. (Seminar 3 hours).

**568. Nutrition for Exercise and Performance (3)**

Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.

Explores the role nutrients play in exercise and performance enhancement. Topics include evaluation of energy needs during physical activity, examination of weight management practices, assessment of nutritional status, and investigation of contemporary dietary issues related to exercise.

Letter grade only (A-F). Same course as KIN 568. Not open for credit to students with credit in KIN 568. Open to all graduate Kinesiology students in the the Adapted Physical Education, Coaching and Student Athlete Development, Pedagogical Studies (for K-12 teachers), Sport Management, Individualized Studies, Exercise Science, Exercise Physiology and Nutrition, Sport and Exercise Psychology, and Sports Medicine and Injury Studies options and M.S. students in the Nutritional Science without Dietetic Internship, Nutritional Science with Dietetic Internship, and Food Science emphases and/or consent of instructor.

**572. Advanced Hotel Administration (3)**

Prerequisites: HFHM 372 or consent of instructor.

Principles of organization, administration, and leadership in hotel and lodging operations are explored. Topics include organizational management, human resource management, productivity, marketing, financial management, and quality service management as they are applied to the hotel and lodging industry.

Letter grade only (A-F).

**574. Cost Control in Hospitality Foodservice and Hotel Management (3)**

Prerequisites: HFHM 275 or HFHM 276 or consent of instructor

Financial management of food, labor, supplies, and other operational costs; procedures for controlling purchasing, receiving, storing, and issuing of food, beverage, and supplies; inventory and security management; computer applications; and analysis of financial reports in hospitality foodservice and hotel industry.

Letter grade only (A-F). (Lecture/Discussion 3 hours).

**577. Restaurant and Dining Management (3)**

Prerequisites: HFHM 276 or consent of instructor.

Principles of organization and administration in commercial and non-commercial foodservice operations are explored. Includes food purchasing, receiving, storage, inventory control, marketing, organizational management, human resource management, productivity, financial management, and quality management as applied to the foodservice industry. Fieldtrips required.

Letter grade only (A-F). (Discussion 3 units)

**579. Leadership and Strategic Management in the Hospitality Industry (3)**

Prerequisite: Graduate Standing.

Explore principles of organization, administration, and leadership in the hospitality industry. Topics include leadership, organizational theory, strategic management, team building, motivation, communication, and quality improvement as applied to the hospitality industry.

Letter grade only (A-F).

**590. Selected Topics in Family and Consumer Sciences (3)**

Prerequisites: Enrollment in a graduate major in the Family and Consumer Sciences department; advancement to candidacy; instructor consent.

Advanced and specialized topics of current interest in the field of family and consumer sciences selected for intensive development. Topics are announced in the Schedule of Classes.

Both grading options. May be repeated to a maximum of 6 units with different topics in different semesters. (3 hours seminar)

**591A. Professional Practicum in Dietetics (3)**

Prerequisite: Admission in the Academy of Nutrition and Dietetics Accredited Dietetic Internship.

Supervised practicum at contracted facilities to meet performance standards and qualify for the national registration examination.

Credit/No Credit grading only. May be repeated to a maximum of 9 units in different semesters. Course fee may be required.

**591B. Seminar in Dietetic Practice (3)**

Corequisite: FCS 591A.

Oral and written presentations of annotated bibliographies and a clinical case study, reports of professional meetings, examinations and field trips.

Letter grade only (A-F). May be repeated to a maximum of 6 units in different semesters. (Seminar 1 hour).

**591C. Professional Practicum in Dietetics (3)**

Prerequisite: Admission to the Academy of Nutrition and Dietetics Individualized Supervised Practice Pathway (ISPP).

Supervised practicum at contracted facilities to meet performance standards and qualify for the national registration examination to become a Registered Dietitian.

Credit/No Credit grading only. May be repeated for a maximum of 18 units in the same or different semesters.

**592. Internship in Family and Consumer Sciences/ Gerontology (3)**

Prerequisites: Graduate standing and consent of instructor.

Field experience in which student assumes a self directed responsible role in an agency, business or other community setting.

Letter grade only (A-F). May be repeated to a maximum of 6 units. (Seminar 3 hours)

**597. Independent Study (1-3)**

Prerequisite: A 400-level course in any of the Family and Consumer Sciences disciplines.

Varied learning activities utilized to achieve competency related to Family and Consumer Sciences not offered in regular course. Written report required.

(Projects)

**600. Seminar in Leadership and Administration (3)**

Prerequisite: Graduate standing.

Application of administration, management and leadership theories to family and consumer sciences/gerontology programs. Decision-making, organizational structures and evaluation concepts included.

Letter grade only (A-F). Same course as GERN 600. Not open for credit to students with credit in GERN 600.

**636. Nutrition and the Media (3)**

Prerequisites: Graduate standing; NUTR 331 or equivalent.

Basic skills for analyzing and communicating reliable nutrition messages for print, electronic, and visual media; translating evidenced-based research into consumer nutrition messages.

Letter grade only (A-F). (Lecture-activity 3 hours)

**691. Instructional Strategies (3)**

Prerequisite: Graduate standing.

A structured program on how to create and deliver college-level instruction. Includes design of assignments within a measurable assessment framework, development of teaching strategies, and appropriate use of media and other pedagogical devices.

Letter grade only (A-F). (3 hours lecture-activity)

**692. Directed Project (3)**

Prerequisite: FCS 697.

Will acquire experiential skills under the guidance of a faculty advisor and supervisor/preceptor at an approved project site. Will identify problems, design and assess a project or conduct research. Results will be presented in a thesis-style report. This serves as the culminating experience for the program.

Letter grade only (A-F).

**696. Research Methods (3)**

Prerequisite: Upper-division course in statistics.

Methodological approaches to contemporary research issues in Family and Consumer Sciences. Focuses on the design, development, and implementation of a formal research-designed project.

Letter grade only (A-F). Same course as GERN 696. Not open for credit to students with credit in GERN 696. (Seminar 3 hours).

**697. Directed Research (3)**

Prerequisite: Advancement to candidacy.

Students work under supervision of the thesis/directed project chair and with other committee members to complete a proposal for the thesis or directed project.

Letter grade only (A-F).

**698. Thesis (3)**

Prerequisite: FCS 697.

Planning, preparation and completion of a thesis related to the family and consumer sciences field.

Letter grade only (A-F).



# FAMILY AND CONSUMER SCIENCES EDUCATION

College of Health and Human Services  
Department of Family and Consumer Sciences

**Department Chair:** Wendy Reiboldt

**Department Office:** Family and Consumer Sciences (FCS) - 001  
Telephone / Fax: (562) 985-4484 / 985-4414  
Website: [www.csulb.edu/colleges/chhs/departments/fcs](http://www.csulb.edu/colleges/chhs/departments/fcs)

**Faculty:** Mariné Aghekyan, Michelle Barrack, Lee Blecher, Marie Botkin, Maria Claver, Gail C. Frank, Virginia Gray, Libby Gustin, Young Ha, HyeJeong Kim, James E. Koval, Peter Kreysa, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Cheryl Rock, Roudi Roy, Myung Hee Sohn, Richard V. Tuveson, Long Wang, Jung-Mao (Ronnie) Yeh

**Baccalaureate Program Coordinator:** Richard V. Tuveson

**Graduate Coordinator:** Virginia Gray

**Administrative Support Coordinators:**  
Mikal Lok, Marina Bendersky, Andrew Redmayne

**Instructional Support Technician:** Bonnie Rice

## Bachelor of Science in Hospitality Management

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

## Career Possibilities

Positions in Cooperative Extension Services and Community Service Agencies • Home Economics/Family and Consumer Sciences Teachers in Secondary Schools • Educational Program Specialists in Business, Industry and Government • Teaching Youth and Adults in Various Educational Settings. (For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).) Positions as instructors in adult education or community colleges provide excellent careers for graduates with a Family and Consumer Sciences Education Option who obtain the appropriate credentials and education above the B.A. degree.

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## Undergraduate Programs

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### Bachelor of Arts in Family and Consumer Sciences

This degree offers six options:

- Child Development and Family Studies
- Consumer Affairs
- Family Life Education
- Fashion Design
- Fashion Merchandising

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Dietetics and Food Administration

This degree offers two options:

- Nutrition and Dietetics
- Food Science

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

# FASHION MERCHANDISING AND DESIGN

College of Health and Human Services  
Department of Family and Consumer Sciences

**Department Chair:** Wendy Reiboldt

**Department Office:** Family and Consumer Sciences (FCS) - 001  
Telephone / Fax: (562) 985-4484 / 985-4414  
Website: [www.csulb.edu/colleges/chhs/departments/fcs](http://www.csulb.edu/colleges/chhs/departments/fcs)

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**Baccalaureate Program Coordinator:** Richard V. Tuveson

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**Administrative Support Coordinators:**

Mikal Lok, Marina Bendersky, Andrew Redmayne

**Instructional Support Technician:** Bonnie Rice

## Career Possibilities

Promotions Specialists • Product Developers • National Promotions Directors • Costume Designers • Designers • Sales Representatives • Buyers • Visual Promotion Directors • Textile Testers (For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

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## Undergraduate Programs

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### Bachelor of Arts in Family and Consumer Sciences

This degree offers six options:

- Child Development and Family Studies
- Consumer Affairs
- Family and Consumer Sciences Education
- Family Life Education
- Fashion Design
- Fashion Merchandising

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Dietetics and Food Administration

This degree offers two options:

- Nutrition and Dietetics
- Food Science

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Hospitality Management

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

## Option in Fashion Merchandising (120 units)

Take all of the following courses:

CAFF 321 Family and Consumer Resource Management (3)

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

ECON 300 Fundamentals of Economics (3)

Prerequisites: GE Foundation requirements.

FCS 299 Intro to Family and Consumer Sciences (1)

Prerequisites: None.

Not open for credit to students with credit in FCSE 299.

FCS 499 Professionalism and Leadership in FCS (1)

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Not open for credit to students with credit in FCSE 499.

FMD 155 Introduction to the Fashion Industry (3)

Prerequisites: None.

FMD 251 Fashion Strategies for Consumers (3)

Prerequisites: GE Foundation requirements.

FMD 253 Introductory Textiles (3)

Prerequisites: None.

FMD 255 Fashion Industry Ethics and Social Responsibility (3)

Prerequisites: A grade of "C" or better in FMD 155.

FMD 258 Fashion Merchandising and Design

Practicum (3)

Prerequisites: A grade of "C" or better in FMD 155.

FMD 296 Computer Applications for Professionals (3)

Prerequisites: Fashion Merchandising majors and minors: A grade of "C" or better in FMD 155 and Computer Proficiency Exam (CPE) passage; Fashion Design majors or Textiles minors: a grade of "C" or better in FMD 152 and 155, Computer Proficiency Exam (CPE) passage. Non-Fashion Merchandising majors or minors and non-Fashion Design majors or Textiles minors: Computer Proficiency Exam (CPE) Passage.

FMD 350 Fashion Forecasting (3)

Prerequisites: A grade of "C" or better in FMD 258 and FMD 296.

FMD 351 Fashion Promotion and Sales (3)

Prerequisites: A grade of "C" or better in FMD 155 and FMD 296.

FMD 353 Intermediate Textiles (3)

Prerequisites: A grade of "C" or better in CHEM 100, FMD 253, and FMD 296.

FMD 355 Fashion Buying (3)

Prerequisites: A grade of "C" or better in FMD 155 and FMD 258, and Computer Proficiency Exam passage.

FMD 451 The Fashion Customer (3)

Prerequisites: A grade of "C" or better in FMD 351.

FMD 455 International Fashion Retailing(3)

Prerequisites: A grade of "C" or better in FMD 351; senior standing.

FMD 457 Global Sourcing for the Fashion Industry (3)

Prerequisites: Open only to Fashion Merchandising majors, Fashion Design majors, and Textiles minors. For Fashion

Merchandising majors: A grade of "C" or better in FMD 355, ECON 300 and senior standing; for Fashion Design majors and Textiles minors: ECON 300 and Senior standing.

**FMD 492E Internship in Fashion Merchandising (3)**

Prerequisites: A grade of "C" or better in FMD 451 and FMD 455 or FMD 457. Student must be a major in Family and Consumer Sciences in the option of Fashion Merchandising; have senior standing, a 2.5 overall GPA or a 3.0 major GPA.

Take three of the following courses:

**FCS 490 Selected Topics in Family and Consumer Sciences (1-3)**

Prerequisites: None.

Not open for credit to students with credit in FCSE 490.

**FCS 490B New York Fashion Study Tour (1-3)**

Prerequisites: None.

Not open for credit to students with credit in FCSE 490B.

**FCS 497 Directed Study (1-3)**

Prerequisites: Upper division standing, consent of instructor.

Not open for credit to students with credit in FCSE 497.

**FMD 356 Fashion Retail Management (3)**

Prerequisites: A grade of "C" or better in FMD 355.

**FMD 450 Cultural Perspectives of Dress (3)**

Prerequisites: GE Foundation requirements; a grade of "C" or better in ANTH 120 or SOC 100 or 142 and upper-division standing.

**FMD 456 Historic Perspectives of Fashion (3)**

Prerequisites: A grade of "C" or better in FMD 251, FMD 253 and in AH 111A or HIST 131; senior standing.

**FMD 458 Fashion Product Development (3)**

Prerequisites: A grade of "C" or better in FMD 296 and FMD 353; senior standing.

FMD advisor-approved upper division elective.

Take one of the following courses:

**FMD 154 Fundamentals of Apparel Production (3)**

Prerequisites: None.

**FMD 252 Analysis, Evaluation and Comparison of Ready To Wear (3)**

Prerequisites: None.

Take one of the following:

**CHEM 100 Chemistry and Today's World (4)**

Prerequisites: One GE Foundation course (GE categories A1, A2, A3 or B2).

OR

**CHEM 111A. General Chemistry (5)**

Prerequisites: A passing score on the Chemistry Placement Examination.

Corequisite: MATH 109 or higher.

AND

**MATH 109. Modeling with Algebra (3)**

Prerequisite: Appropriate ELM score, ELM exemption, or MAPB 7 or MAPB 11.

Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than "C" may proceed with other courses with approval of the Area Coordinator.

## Minor in Fashion Merchandising

Take the following 18 units:

**FMD 155 Introduction to the Fashion Industry (3)**

\*\*"C" or better required.

Prerequisites: None.

**FMD 258 Fashion Merchandising and Design Practicum (3)**

\*\*"C" or better required

Prerequisite(s): A grade of "C" or better in FMD 155.

**FMD 296 Computer Applications for Professionals (3)**

\*\*"C" or better required.

Prerequisites: Fashion Merchandising majors and minors: A grade of "C" or better in FMD 155 and Computer Proficiency Exam (CPE) passage; Fashion Design majors or Textiles minors: a grade of "C" or better in FMD 152 and 155, Computer Proficiency Exam (CPE) passage. Non-Fashion Merchandising majors or minors and non-Fashion Design majors or Textiles minors: Computer Proficiency Exam (CPE) Passage.

**FMD 351 Fashion Promotion and Sales (3)**

\*\*"C" or better required.

Prerequisites: A grade of "C" or better in FMD 155 and FMD 296.

**FMD 355 Fashion Buying (3)**

Prerequisites: A grade of "C" or better in FMD 155 and FMD 258, and Computer Proficiency Exam passage.

**FMD 455 International Fashion Retailing (3)**

Prerequisites: A grade of "C" or better in FMD 351; senior standing.

It is the student's responsibility to pass the Computer Proficiency Exam as a prerequisite for the following courses: FMD 296 and FMD 355.

## Option in Fashion Design (120 units)

Take all of the following courses:

**CAFF 321 Family and Consumer Resource Management (3)**

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

**ECON 300 Fundamentals of Economics (3)**

Prerequisites: GE Foundation requirements.

**FCS 299 Intro to Family and Consumer Sciences (1)**

Prerequisites: None.

Not open for credit to students with credit in FCSE 299.

**FCS 499 Professionalism and Leadership in Family and Consumer Sciences (1)**

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Not open for credit to students with credit in FCSE 499.

**FMD 152 Quick Sketch for Fashion (1)**

Prerequisites: None.

**FMD 154 Fundamentals of Apparel Production (3)**

Prerequisites: None.

**FMD 155 Introduction to the Fashion Industry (3)**

Prerequisites: None.

**FMD 251 Fashion Strategies for Consumers (3)**

Prerequisites: GE Foundation requirements.

**FMD 253 Introductory Textiles (3)**

Prerequisites: None.

**FMD 256 Intermediate Apparel Production (3)**

Prerequisites: A grade of "C" or better in FMD 154, FMD 155 or FMD 251.

**FMD 257 Introduction to Apparel Flat Pattern (3)**

Prerequisites: A grade of "C" or better in FMD 152, FMD 154, and FMD 155 or FMD 251.

**FMD 258 Fashion Merchandising and Design Practicum (3)**

Prerequisites: A grade of "C" or better in FMD 155.

**FMD 296 Computer Applications for Professionals (3)**

Prerequisites: Fashion Merchandising majors and minors: A grade of "C" or better in FMD 155 and Computer Proficiency Exam (CPE) passage; Fashion Design majors or Textiles minors: a grade of "C" or better in FMD 152 and FMD 155, Computer Proficiency Exam (CPE) passage. Non-Fashion Merchandising majors or minors and non-Fashion Design majors or Textiles minors: Computer Proficiency Exam (CPE) Passage.

**FMD 353 Intermediate Textiles (3)**

Prerequisites: A grade of "C" or better in CHEM 100, FMD 253, and FMD 296.

**FMD 354 Apparel Tailoring (3)**

Prerequisites: FMD 256 and FMD 257.

**FMD 357 Advanced Apparel Flat Pattern (3)**

Prerequisites: A grade of "C" or better in FMD 253 and FMD 354.

**FMD 359 Advanced Computer Applications for Fashion (2)**

Prerequisites: FMD 296 and FMD 152 which must be completed with a grade of "C" or better in each. Open only to Fashion Design majors.

**FMD 452 Apparel Draping (3)**

Prerequisites: A grade of "C" or better in FMD 353, FMD 357 and FMD 359.

**FMD 454 Experimental Apparel Design (3)**

Prerequisites: A grade of "C" or better in FMD 452.

**FMD 456 Historic Perspectives of Fashion (3)**

Prerequisites: A grade of "C" or better in FMD 251, FMD 253 and in AH 111A or HIST 131; senior standing.

**FMD 457 Global Sourcing for the Fashion Industry (3)**

Prerequisites: Open only to Fashion Merchandising majors, Fashion Design majors, and Textiles minors. For Fashion Merchandising majors: A grade of "C" or better in FMD 355, ECON 300 and senior standing; for Fashion Design majors and Textiles minors: ECON 300 and Senior standing.

**FMD 458 Fashion Product Development (3)**

Prerequisites: A grade of "C" or better in FMD 296 and FMD 353; senior standing.

**FMD 459 Computerized Apparel Flat Pattern (3)**

Prerequisites: A grade of "C" or better in FMD 357, FMD 359.

**FMD 492M Internship in Fashion Design (3)**

Prerequisites: A grade of "C" or better in FMD 452 or FMD 454. Student must be a major in Family and Consumer Sciences in the option of Fashion Design; have senior standing, a 2.5 overall GPA or a 3.0 major GPA.

Take one of the following courses:

**HIST 131 Early Western Civilization (3)**

Corequisite: ENGL 100.

**AH 111A Foundation Art History I (3)**

Prerequisites: Completion/current enrollment in GE A1 (Written Communication) requirement.

Take one of the following:

**CHEM 100 Chemistry and Today's World (4)**

Prerequisites: One GE Foundation course (GE categories A1, A2, A3 or B2).

OR

**CHEM 111A General Chemistry (5)**

Prerequisites: A passing score on the Chemistry Placement Examination.

Corequisite: MATH 109 or higher.

AND

**MATH 109 Modeling with Algebra (3)**

Prerequisite: Appropriate ELM score, ELM exemption, or MAPB 7 or MAPB 11.

Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

## Minor in Textiles

Take all of the following (18 units):

**FMD 155 Introduction to the Fashion Industry (3)**

\*\*"C" or better required.

Prerequisites: None

**FMD 253 Introductory Textiles (3)**

\*\*"C" or better required.

Prerequisites: None.

**FMD 296 Computer Applications for Professionals (3)**

\*\*"C" or better required.

Prerequisites: Fashion Merchandising majors and minors: A grade of "C" or better in FMD 155 and Computer Proficiency Exam (CPE) passage; Fashion Design majors or Textiles minors: a grade of "C" or better in FMD 152 and 155, Computer Proficiency Exam (CPE) passage. Non-Fashion Merchandising majors or minors and non-Fashion Design majors or Textiles minors: Computer Proficiency Exam (CPE) Passage.

**FMD 353 Intermediate Textiles (3)**

\*\*"C" or better required.

Prerequisites: A grade of "C" or better in CHEM 100, FMD 253, and FMD 296.

**FMD 457 Global Sourcing for the Fashion Industry (3)**

Prerequisites: Open only to Fashion Merchandising majors, Fashion Design majors, and Textiles minors. For Fashion Merchandising majors: A grade of "C" or better in FMD 355, ECON 300 and senior standing; for Fashion Design majors and Textiles minors: ECON 300 and Senior standing.

**FMD 458 Fashion Product Development (3)**

Prerequisites: A grade of "C" or better in FMD 296 and FMD 353; senior standing.

It is the student's responsibility to adhere to all prerequisites listed below. It should be noted that these prerequisites fulfill general education requirements.

Prerequisites for FMD 353: CHEM 100 Chemistry and Today's World (4)

Prerequisites: One course from the Foundation (GE categories A1, A2, A3, and B2)

Prerequisite for FMD 457: ECON 300 Fundamentals of Economics (3)

Prerequisites: Completion of the GE Foundation requirements.

The Minor in Textiles is available to any non-Fashion Merchandising or non-Fashion Design major.

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## Fashion Merchandising and Design Courses (FMD)

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### LOWER DIVISION

#### 152. Quick Sketch for Fashion (1)

Technical drawings of garments and their design features.

Letter grade only (A-F). (3 hours activity)

#### 154. Fundamentals of Apparel Production (3)

Analysis of the interrelationship of garment design and apparel construction. Application of theories and methods of apparel design to garment construction.

Letter grade only (A-F). Only open to these majors: Fashion Design (FCS\_BA05); Fashion Merchandising (FCS\_BA04); and Family and Consumer Sciences Education (FCS\_BA02). (Lecture-discussion 2 hours, Laboratory 3 hours)

#### 155. Introduction to the Fashion Industry (3)

Organization, structure and interrelationship of industries and services that comprise the business of fashion: terminology, designers, trade organizations and publications. Professional opportunities explored.

Letter grade only (A-F). (Lecture-discussion 3 hours)

#### 251. Fashion Strategies for Consumers (3)

Prerequisites: GE Foundation requirements.

Apparel selection for professional and personal needs based on design, culture and fashion. Wardrobe analysis and coordination; consumer clothing guidelines.

(Lecture-discussion 3 hours)

#### 252. Analysis, Evaluation and Comparison of Ready-to-Wear (3)

Analysis of the quality of materials, design and construction in ready-to-wear garments and accessories; comparison of processes involved in manufacturing, concepts of sizing, principles of fit; aids in buying and selling.

(Lecture-discussion 3 hours)

#### 253. Introductory Textiles (3)

A consumer-oriented approach to textile selection, use, and care. Provides a basis for a logical, consistent rationale in choosing apparel and interior textiles. Explores careers within the international textile industry.

Letter grade only (A-F). (Lecture-discussion 3 hours)

#### 255. Fashion Industry Ethics and Social Responsibility (3)

Prerequisite: A grade of "C" or better in FMD 155.

Ethical issues within the fashion industry. Focus will be on decision-making processes which lead to outcomes that have ethical implications as well as potential consequences or benefits.

Letter grades only (A-F).

#### 256. Intermediate Apparel Production (3)

Prerequisites: A grade of "C" or better in FMD 154, FMD 155 or FMD 251.

Continuation of construction techniques used in apparel production with concentration on current fabrics and techniques used in contemporary ready-to-wear.

(1 hour discussion, 6 hours laboratory).

#### 257. Introduction to Apparel Flat Pattern (3)

Prerequisites: A grade of "C" or better in FMD 152, FMD 154, and FMD 155 or FMD 251.

Introduction to the design concept as it applies to flat pattern manipulation.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

#### 258. Fashion Merchandising and Design Practicum (3)

Prerequisites: A grade of "C" or better in FMD 155.

Structured fashion retail work/learning experience designed to develop competencies in retail management or related fields. Students must obtain fashion retail sales position by first class period.

Letter grade only (A-F). (Lecture-activity 3 hours)

#### 296. Computer Applications for Professionals (3)

Prerequisites: Fashion Merchandising majors and minors: A grade of "C" or better in FMD 155, Computer Proficiency Exam (CPE) passage; Fashion Design majors or Textiles Minors: a grade of "C" or better in FMD 152 and FMD 155, Computer Proficiency Exam (CPE) passage. Non-Fashion Merchandising majors or minors and non-Fashion Design majors or Textiles minors: Computer Proficiency Exam (CPE) passage.

Use of computer paint-style, illustration/processing software and scanners to develop proficiency in drawing and designing for the workplace. Work with clip art, make technical drawings, storyboards, and color/fabric cards.

Letter grade only (A-F). (1 hour lecture-discussion, 4 hours activity) Not open to students with credit in FCSE 296

### UPPER DIVISION

#### 350. Fashion Forecasting (3)

Prerequisites: A grade of "C" or better in FMD 258 and FMD 296.

Introduces the forecasting disciplines used in the fashion industries which support both short-term, tactical decisions and long-term strategic ones. Covers the process of gathering data then organizing, analyzing, and synthesizing them into actionable forecasts.

Letter grade only (A-F).

#### 351. Fashion Promotion and Sales (3)

Prerequisites: A grade of "C" or better in FMD 155 and FMD 296.

Concepts, practices and procedures related to fashion promotion. Includes planning, directing and evaluating promotion activities such as visual merchandising, special events, publicity, and personal and non-personal selling.

(Discussion 3 hours)

#### 353. Intermediate Textiles (3)

Prerequisites: A grade of "C" or better in CHEM 100, FMD 253, and FMD 296.

Interrelationship of fiber, yarn, structure, fabric geometry and finishing treatments to the textile's appearance, comfort, durability and maintenance.

Letter grade only (A-F). (Lecture-discussion 2 hours, Lab 3 hours)

#### 354. Apparel Tailoring (3)

Prerequisites: A grade of "C" or better in FMD 256 and FMD 257.

Analysis of traditional and contemporary processes in the design and production of tailored apparel. Application of apparel design and production process for couture, ready-to-wear, and individually produced garments.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

#### 355. Fashion Buying (3)

Prerequisites: A grade of "C" or better in FMD 155 and FMD 258, and Computer Proficiency Exam passage.

Concepts, practices and procedures as well as calculations and computer applications as they relate to apparel retail profit. Includes inventory methods, operating statements and purchase planning procedures.

Letter grade only (A-F). (3 hours lecture activity )

**356. Fashion Retail Management (3)**

Prerequisites: A grade of "C" or better in FMD 355.

Explores current retail environments, problem-solving, and decision-making strategies for retailing apparel and textiles products. Covers the importance of communication skills, human resource management, and other concepts impacting retail management such as target market analysis and assortment plans.

Letter grade only (A-F). (3 hours seminar)

**357. Advanced Apparel Flat Pattern (3)**

Prerequisites: A grade of "C" or better in FMD 253 and FMD 354.

Exploration of the total design concept as it applies to pattern manipulation.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

**359. Advanced Computer Applications for Fashion (2)**

Prerequisites: FMD 296 and FMD 152 which must be completed with a grade of "C" or better in each. Open only to Fashion Design majors.

Students refine their proficiency in drawing and designing apparel garments and fashion illustrations using computer paint-style and illustration software.

Letter grade only (A-F). (6 hours activity)

**450. Cultural Perspectives of Dress (3)**

Prerequisites: GE Foundation requirements; a grade of "C" or better in ANTH 120 or SOC 100 or SOC 142 and upper-division standing.

Factors influencing design of textiles and apparel, techniques of textile and apparel production, and human behavior in the selection of dress in societies and cultural groups. Emphasis on symbolism of textiles and clothing designs as a communicative device for expressing social and cultural values. Impact of other cultures on western dress and impact of western dress on other apparel systems.

May be used to satisfy the GWAR. (Seminar 3 hours)

**451. The Fashion Customer (3)**

Prerequisites: A grade of "C" or better in FMD 351.

Overview of theories on behavior of fashion customers and impact on fashion marketing strategies. Practical application on how to identify specific needs of fashion customers. Examination of impact of marketplace on fashion customers and of laws which protect them.

Letter grade only (A-F). (3 hours lecture discussion)

**452. Apparel Draping (3)**

Prerequisites: A grade of "C" or better in FMD 353, FMD 357, and FMD 359.

Exploration of the total design concept as it applies to fabric manipulation.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

**454. Experimental Apparel Design (3)**

Prerequisites: A grade of "C" or better in FMD 452.

Exploration of clothing design and production through the experimental process. Individual investigation of the creative design process; evaluation of equipment; experiences with a variety of fabrics and techniques.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

**455. International Fashion Retailing (3)**

Prerequisites: A grade of "C" or better in FMD 351; senior standing.

Application of merchandising concepts for promotion and selling of fashion goods and apparel in global retail organizations.

Letter grade only (A-F). (Lecture/Discussion 3 hours)

**456. Historic Perspectives of Fashion (3)**

Prerequisites: A grade of "C" or better in FMD 251, FMD 253, and in AH 111A or HIST 131 ; senior standing.

Social, political, economic, geographic and religious forces that affect styles of fashion from antiquity to the present day. Emphasis is on the relationship of historic styles to current fashion. Primary focus is on the

fashion influences of the western world.

Letter grade only (A-F). (Seminar 3 hours)

**457. Global Sourcing for the Fashion Industry (3)**

Prerequisites: Open only to Fashion Merchandising majors, Fashion Design majors, and Textiles minors. For Fashion Merchandising majors: A grade of "C" or better in FMD 355, ECON 300 and senior standing; for Fashion Design majors and Textiles minors: ECON 300 and Senior standing.

Provides a framework whereby students critically examine the global textiles and apparel industry with emphasis on acquiring basic concepts of global trade. Current processes of globalization are analyzed including the importance of outsourcing.

Letter grade only (A-F). (Lecture-discussion 3 hours)

**458. Fashion Product Development (3)**

Prerequisites: A grade of "C" or better in FMD 296 and FMD 353; senior standing.

The process of designing and engineering fashion products to be serviceable, producible, salable and profitable for various consumer market segments.

(Discussion 3 hours) Letter grade only (A-F).

**459. Computerized Apparel Flat Pattern (3)**

Prerequisites: A grade of "C" or better in FMD 357, FMD 359.

Use of computer aided design software for apparel pattern development.

Letter grade only (A-F). Not open for credit to students with credit FMD 352. (Laboratory 6 hours)

**492E. Internship in Fashion Merchandising (3)**

Prerequisites: A grade of "C" or better in FMD 451 and FMD 455 or FMD 457. Student must be a major in Family and Consumer Sciences in the option of Fashion Merchandising; have senior standing, a 2.5 overall GPA or a 3.0 major GPA.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for 6 units maximum. (Seminar 3 hours)

**492M. Internship in Fashion Design (3)**

Prerequisites: A grade of "C" or better in FMD 452 or FMD 454.

Student must be a major in Family and Consumer Sciences in the option of Fashion Design; have senior standing, a 2.5 overall GPA or a 3.0 major GPA.

May be repeated for 6 units maximum. Letter grade only (A-F). (Seminar 3 hours)

# FOOD SCIENCE

College of Health and Human Services  
Department of Family and Consumer Sciences

**Department Chair:** Wendy Reiboldt

**Department Office:** Family and Consumer Sciences (FCS) - 001  
Telephone / Fax: (562) 985-4484 / 985-4414  
Website: [www.csulb.edu/colleges/chhs/departments/fcs](http://www.csulb.edu/colleges/chhs/departments/fcs)

**Faculty:** Mariné Aghekyan, Lee Blecher, Marie Botkin, Maria Claver, Gail C. Frank, Virginia Gray, Libby Gustin, Young Ha, James E. Koval, Peter Kreysa, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Roudi Roy, M. Sue Stanley, Richard V. Tuveson, Long Wang, Jung-Mao (Ronnie) Yeh

**Baccalaureate Program Coordinator:** Richard V. Tuveson

**Graduate Coordinator:** Virginia Gray

**Administrative Support Coordinators:**

Mikal Lok, Marina Bendersky

**Instructional Support Technician:** Bonnie Rice

## Career Possibilities

Principal Food Scientist • Research Associate • Food and Packaging Engineer • Quality Assurance Manager • Research and Development Chemist • Quality Control Chemist • Laboratory Supervisor • Plant Manager • Food and Drug or USDA Inspector • Food Product Evaluator • Food and Ingredient Sales Representative • Research and Product Development, Food Formulation and Processing • Consumer Safety • Sensory Evaluation • Quality Assurance • Government Organization • Food Ingredient Sales and Marketing  
(Some of these, and other careers, require additional education or experience. For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

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## Undergraduate Programs

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### Bachelor of Arts in Family and Consumer Sciences

This degree offers six options:

- Child Development and Family Studies
- Consumer Affairs
- Family and Consumer Sciences Education
- Family Life Education
- Fashion Design
- Fashion Merchandising

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Hospitality, Foodservice and Hotel Management

Degree and certificate information and requirements are listed under each option alphabetically in this catalog

### Bachelor of Science in Dietetics and Food Administration

This degree offers two options:

- Nutrition and Dietetics
- Food Science

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Option in Food Science (120 units)

Admission to this program is currently suspended to new students.

#### Prerequisites

A passing score on the Chemistry Placement Examination.

#### Requirements

Take all of the following courses:

BIOL 207 Human Physiology (4)

Prerequisites: GE Foundation requirements.

CHEM 111A General Chemistry (5)

Prerequisites: A passing score on the Chemistry Placement Examination.

Corequisite: MATH 109 or higher.

CHEM 227 Fundamentals of Organic Chemistry (3)

Prerequisites: CHEM 111A with a grade of "C" or better; CHEM 111B is recommended.

CHEM 448 Fundamentals of Biological Chemistry (3)

Prerequisites: CHEM 220B or CHEM 227 either with a grade of "C" or better.

MATH 113 Precalculus Algebra (3)

Prerequisites: Appropriate ELM score, ELM exemption or MAPB 11.

BIOL 201 General Microbiology (4)

Prerequisites: CHEM 111A or CHEM 140 with a grade of "C" or better and GE Foundation requirements.

BIOL 325 Emerging Infectious Diseases (3)

Prerequisites: BIOL 311 or MICR 211 with a grade of "C" or better and consent of instructor.

CAFF 321 Family and Consumer Resource Management (3)

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

FCS 299 Introduction to FCS (1)

Prerequisite: None.

Not open for credit to students with credit in FCSE 299.

FCS 499 Professionalism and Leadership in FCS (1)

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Not open for credit to students with credit in FCSE 499.

FSCI 332 Food Science (3)

Prerequisites: CHEM 227, HFHM 176, BIOL 201 or MICR 200.

FSCI 338 Introduction to Food Processing (3)

Prerequisite: FSCI 332.

FSCI 432 Food Analysis (3)

Prerequisites: CHEM 227, FSCI 332 or equivalent.

FSCI 435 Food Processing, Preservation and Packaging (3)

Prerequisite: FSCI 332 or consent of instructor.

FSCI 492F Internship in Food Science (3)

Prerequisites: Senior standing; a 2.5 overall GPA or a 3.0

major GPA; approval of faculty advisor in Food Science; and FSCI 332.

**HFHM 235 Principles of Food Preparation (3)**  
Prerequisite: None.

**NUTR 132 Introductory Nutrition (3)**  
Prerequisite/Corequisite: One Foundation course.

**NUTR 234 Orientation Dietetics and Food Administration (2)**  
Prerequisite: None.

**NUTR 336 Social and Cultural Aspects of Food and Health (3)**  
Prerequisites: For Dietetics Concentration NUTR 132, NUTR 234, SOC 335; for Nutritional Sciences Concentration NUTR 132, SOC 335.

Note: BIOL 201 or MICR 200 will meet the prerequisite for BIOL 325 for Food Science majors.

Take one of the following courses:

**ED P 419 Educational Statistics (3)**  
Prerequisites: Satisfactory completion of an undergraduate mathematics course suitable for general education math credit and, if required by the major, a lower-division statistics course.

**H SC 403 Community Health Statistics (3)**  
Prerequisite: GE Math and SOC 170 or PSY 110 (PSY 100 prereq) or STAT 108.

Take one of the following courses:

**ENGL 317 Technical Communication (3)**  
Prerequisites: GE Foundation requirements, upper-division standing, and a previous composition course, i.e., ENGL 100, ENGL 102, ENGL 300, or equivalents.

Take one of the following courses:

**PSY 100 General Psychology (3)**  
Prerequisite/Corequisite: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

**SOC 100 Principles of Sociology (3)**  
Prerequisite/Corequisite: A GE Foundation course.

Take 9 units from the following courses:

CHEM 111B; FCS 497; HFHM 275, HFHM 477; IS 233.

## Minor in Food Science

Preparation for employment in the Food Science Industry may be developed through completion of this program of study. Eighteen units including:

Take all the following:

**FSCI 332 Food Science (3)**  
Prerequisites: CHEM 227, HFHM 176, BIOL 201 or MICR 200.

**FSCI 338 Introduction to Food Processing (3)**  
Prerequisite: FSCI 332.

**FSCI 432 Food Analysis (3)**  
Prerequisites: CHEM 227, FSCI 332 or equivalent.

**FSCI 435 Food Processing, Preservation and Packaging (3)**  
Prerequisites: FSCI 332 or consent of instructor.

**FSCI 492F Internship in Food Science (3)**  
Prerequisites: Senior standing; a 2.5 overall GPA or a 3.0 major GPA; approval of faculty advisor in Food Science; and FSCI 332.

Take 3 units from the following:

**FCS 497 Directed Studies**

Prerequisites: Upper division standing, consent of instructor. Not open for credit to students with credit in FCSE 497.

**BIOL 325 Emerging Infectious Diseases**

Prerequisites: MICR 311 or MICR 211 with a grade of "C" or better and consent of instructor.

**NUTR 336 Social and Cultural Aspects of Food and Health (3)**

Prerequisites: For Dietetics Concentration NUTR 132, NUTR 234, SOC 335; for Nutritional Sciences Concentration NUTR 132, SOC 335.

Adhere to prerequisites below, some fulfill GE requirements:

1. CHEM 111A is a prerequisite for CHEM 227;
2. HFHM 235, CHEM 227, and MICR 200 are prerequisites for FSCI 332;
3. FSCI 332 is a prerequisite for FSCI 338, FSCI 432, FSCI 435, and FSCI 492F;
4. PSY 100 or SOC 100 or ANTH 120 or equivalent and NUTR 132 are prerequisites for NUTR 336;
5. BIOL 201 will meet the prerequisite for BIOL 325 for Food Science minors.

The Minor in Food Science is available to any non-Food Science major.

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## Food Science Courses (FSCI)

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### LOWER DIVISION

#### 101. Franken Food: Fact or Science Fiction (3)

Prerequisite: None

This course addresses how the USA population is constantly bombarded with conflicting, as well disturbing, information about health claims, ingredient avoidance, processed food, food additives or genetically modified food. No course fee required.

Letter grade only A-F

### UPPER DIVISION

#### 330. Dairy Science (2)

Prerequisites: NUTR 132, HFHM 235.

Study of dairy science from chemical microbiological, processing, nutritional values, and economic standpoints. Integration of recent technology as implemented to feature marketed dairy products both traditional and contemporary.

(Lecture-discussion 2 hours.)

#### 332. Food Science (3)

Prerequisites: CHEM 227, HFHM 176, BIOL 201 or MICR 200

Composition and structure of foods: chemical changes in foods that affect their color, flavor, texture, aroma, and nutritive quality during processing and preparation; techniques for food preservation.

Course fee may be required. (Lecture-discussion 2 hours, laboratory 3 hours.)

#### 338. Introduction to Food Processing (3)

Prerequisite: FSCI 332.

Study of industrial concepts of food processing. Raw agricultural commodities through the production phases to a final product acceptable to consumers. (The course may include limited visitations to food preparation sites.)

(Lecture-discussion 3 hours.)



**432. Food Analysis (3)**

Prerequisites: CHEM 227, FSCI 332 or equivalent.

Application of scientific methods of food analysis. Ingredients, proportions, and techniques in food preparation affect the quality of products. Experimental laboratory problems.

Letter grade only (A-F). Course fee may be required. (Seminar 2 hours, Laboratory 3 hours.)

**435. Food Processing, Preservation and Packaging (3)**

Prerequisites: FSCI 332 or consent of instructor.

Methods and technological aspects in food processing, preservation and packaging. Application of principles and assessment of nutrition. Evaluation of chemical additives. Microbiological aspects of food.

(Lecture - discussion 2 hours, laboratory 3 hours.)

**469. Food Product Development (1)**

Prerequisites: FSCI 332, or consent of instructor.

Industrial concepts and technology as they apply to food product development and formulation. Includes principles of new product development, ingredient replacements, and product improvements. Development of a prototype, ingredient interaction, and product cost analysis.

Letter grade only (A-F). (Seminar 1 hour)

**492F. Internship in Food Science (3)**

Prerequisites: Student must be a Family and Consumer Sciences: Food Science major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Food Science; and FSCI 332. Each prerequisite course must be completed with a grade of "C" or better.

Field experience in which student assumes a pre-professional role in professional setting. Objectives by student with supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for a maximum of 6 units. (Seminar 3 hours)

# GERONTOLOGY

College of Health and Human Services

**Director:** Barbara White

**Department Office:** Family and Consumer Sciences Faculty (FCS)  
Addition, Room 014  
Telephone / FAX: (562) 985-1582 / 985-4414  
Email: barbara.white@csulb.edu

**Administrative Support Coordinators:** Mikal Lok

**Instructional Support Technician:** Bonnie Rice

**Faculty Interest Group:** Cleothy Arellano, Lee Blecher, Kay Cerny, Young-Hee Cho, Maria Claver, Gail Farmer, Mohammed Forouzesh, Gail Frank, Sharon Guthrie, Vennila Krishnan, Kimberly Fox Machan, Theodora Papachristou, Rebecca Perley, Francine Vasilomanolakis.

Mariidith Janssen, Barry Lavay, Tracey Mayfield, Olfat Mohamed, Marilyn Potts, Molly Ranney, Wendy Reiboldt, Pamela Roberts, Jan Schroeder, Savitri Singh-Carlson, Kim-Phong Vu, Eileen Watson, Barbara White, Mary Wolfenbarger

## Career Possibilities

*General:* social services agencies; health care institutions; government agencies; retirement communities; educational and research settings; professional organizations; business and industry; religious organizations; the arts and sciences.

*Direct Service:* developing programs; providing direct care; teaching in community settings; counseling; advising about estate planning, long-term care administration; advocating for older adults.

*Indirect Service:* analyzing issues related to older persons; planning, administering, and evaluating community-based and health related services; writing grants; teaching; advocating before legislative bodies; designing products; developing marketing strategies; consulting.

## Introduction

Gerontology is the scientific study of the processes and phenomena of aging. The Gerontology Program's mission is to improve the lives of middle aged and older individuals; provide training, consultation and other services; and conduct research.

The Gerontology Program is enhanced by the Gerontology Faculty Interest Group, the Center for Successful Aging and a chapter of Sigma Phi Omega, The National Academic Honor and Professional Society in Gerontology. Students in the Gerontology Program are eligible for membership in Sigma Phi Omega.

The Center for Successful Aging is part of a complex of centers and organizations on the campus of California State University, Long Beach that are involved with aging-related issues. The Center is a transdisciplinary academic/community partnership to promote collaborative innovations in education, practice, policy development and research.

## Master of Science in Gerontology

Interested students should contact Dr. Barbara White at 562-985-1582 or barbara.white@csulb.edu

This program is designed to prepare students with a thorough background in existing theory and research in gerontology, advanced principles of program management, and enhanced baccalaureate preparation for their

professional discipline.

## Admission Requirements

1. Complete the application form to be admitted to the university with graduate standing;
2. Send the following materials to the Gerontology Program, in addition to those sent to the Office of Enrollment Services:

- Three letters of recommendation reflecting academic potential, personal qualifications, sensitivity, and evidence of ability and motivation to work with older adults and professionals in the field of aging,
- A current resumé, including education, employment, and volunteer activities,
- A personal statement of interest in aging and career goals in the field.

Admission to the program is contingent on approval by the Gerontology Program Director.

## Prerequisites

1. A bachelor's degree from an accredited institution.
2. Evidence of a 3.0 or better grade point average in all undergraduate work. Students with less than a 3.0 grade point average in the last 60 undergraduate semester or 90 quarter units attempted but with evidence of professional promise and experiential background may be admitted conditionally by action of the Program Director.

3. Successful completion of the following courses or their approved substitutes:

Take the following courses:

- GERN 400 Perspectives on Gerontology (3) may be taken upon program admission
- an approved upper-division statistics course may be taken within the first year of the program.

## Retention

1. Maintain a 3.0 or better grade point average in all graduate work completed at CSULB and all approved graduate work transferred to meet graduate requirements.
2. Continuous satisfactory progress toward the degree objective.

## Advancement to Candidacy

1. Satisfy the general University requirements for advancement to candidacy.
2. Fulfill the Graduation Writing Assessment Requirement (GWAR)
3. Complete a minimum of six units of graduate level coursework in gerontology.
4. Be enrolled during the term in which advancement to candidacy takes place.
5. Obtain approval for one's individual program plan from the Gerontology Program Director and then from the Associate Dean of the College of Health and Human Services.

## Requirements

### *Thesis Option*

Completion of a minimum of 36 units, with at least 28 units of 500 and/or 600 series in Gerontology, including:

Take all of the following courses:

GERN 500 Introduction to the Professional Practice of Gerontology (3)

Prerequisites/Corequisites: GERN 400 or equivalent; graduate standing or consent of instructor.

GERN 563 Program Evaluation (3)

Prerequisites: Upper division or graduate course in statistics; GERN 696 (may be taken concurrently) or equivalent.

GERN 582 Health Assessment of the Aging Client (3)

Prerequisites: GERN 400 or equivalent and graduate standing or consent of instructor.

GERN 592 Internship in Family and Consumer Sciences/Gerontology (3)

Prerequisites: Graduate standing and consent of instructor.

GERN 600 Seminar in Leadership and Administration (3)

Prerequisites: Graduate standing.

GERN 696 Research Methods (3)

Prerequisites: Upper-division course in statistics.

GERN 697 Directed Research (3)

Prerequisites: Advancement to candidacy, GERN 500-level courses in area of study, and GERN 696.

GERN 698 Thesis (3)

Prerequisites: GERN 697, advancement to candidacy.

A maximum of nine units may be taken outside of the major.

### *Directed Project Option*

Completion of a minimum of 36 units with at least 28 units of 500 and/or 600 series in Gerontology, including:

GERN 500 Introduction to the Professional Practice of Gerontology (3)

Prerequisites/Corequisites: GERN 400 or equivalent; graduate standing or consent of instructor.

GERN 563 Program Evaluation (3)

Prerequisites: Upper division or graduate course in statistics; GERN 696 (may be taken concurrently) or equivalent.

GERN 582 Health Assessment of the Aging Client (3)

Prerequisites: GERN 400 or equivalent and graduate standing or consent of instructor.

GERN 592 Internship in Family and Consumer Sciences/Gerontology (3)

Prerequisites: Graduate standing and consent of instructor.

GERN 600 Seminar in Leadership and Administration (3)

Prerequisites: Graduate standing.

GERN 692 Gerontology Directed Project (3)

Prerequisites: GERN 697.

GERN 696 Research Methods (3)

Prerequisites: Upper-division course in statistics.

GERN 697 Directed Research (3)

Prerequisites: Advancement to candidacy, GERN 500-level courses in area of study, and GERN 696.

A maximum of nine units may be taken outside the major.

## Certificate in Gerontology

Interested students should contact Dr. Maria Claver at 562-985-4495 or maria.claver@csulb.edu

This program is designed to educate individuals as gerontology specialists within a major area of study. Graduates work in community programs, health services organizations, government agencies, and the private sector.

The Certificate in Gerontology may be earned in conjunction with a baccalaureate degree or awarded subsequent to earning a bachelor's degree. Be aware that this program is not eligible for Financial Aid unless pursued concurrently with a CSULB degree program. Up to six units of courses taken in the student's major department may be approved to satisfy certificate requirements as may general education and elective courses also used to complete the bachelor's degree if they contain appropriate gerontology content.

Please be aware that this program is not eligible for Financial Aid unless pursued concurrently with a degree program.

### Requirements

1. Consult with the Gerontology Certificate Coordinator to add the Certificate in Gerontology to the major program of study.
2. A bachelor's degree in any major (may be taken concurrently)
3. A minimum GPA of 2.5
4. 24 units distributed as follows
  - A. Take 15 required units including the following:
    - GERN 400 Perspectives on Gerontology (3) (meets GE Capstone requirement)  
\*\*C" or better required.  
Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.
    - GERN 401 Human Aging (3)  
Prerequisites: GERN 400 or equivalent and upper division standing or consent of instructor.
    - ANTH 454 Culture and Aging (3)  
\*\*C" or better required.  
Prerequisites: None.
    - GERN 492G Internship in Gerontology (3)  
Prerequisites: Senior standing; have a 2.5 GPA overall or a 3.0 major GPA; approval of the Gerontology Certificate Coordinator; and GERN 400, ANTH 454, PSY 365 or HDEV 357. Each prerequisite course must be completed with a grade of "C" or better.
  - Take one of the following:
    - PSY 365 Psychology of Adult Development and Aging (3)  
\*\*C" or better required.  
Prerequisites: PSY 100.
    - HDEV 357 Approaches to Adulthood Through Aging (3) (meets GE Capstone requirement)  
\*\*C" or better required.  
Prerequisites: GE Foundation requirements, upper-division standing, ANTH 120 or HDEV 180 or PSY 100 or SOC 100 with a "C" or better.
  - B. Take a minimum of nine units chosen in consultation with the Gerontology Certificate Coordinator from a list of approved elective courses (three to six units of appropriate coursework in the major field may partially fulfill this requirement). Three units may be fulfilled by taking GERN 497 or an approved substitute.
5. Application for the Certificate in Gerontology through completion of the appropriate Program Planner in consultation with the Gerontology Certificate Coordinator. This must be done in the semester prior to the completion of the certificate

to assure timely issuance.

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## Courses (GERN)

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### LOWER DIVISION

#### 200. The Journey of Aging (3)

Prerequisite: Any GE Foundation course.

Exploration of the field of gerontology from the perspectives of biological, psychological, and social aging in the U.S. and around the world. Topics include retirement, images of aging, and the numerous ways gerontology impacts all aspects of society.

### UPPER DIVISION

#### 400. Perspectives on Gerontology (3)

Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.

Multidisciplinary study of middle age and aging. Includes physiological, psychological, political, economic and sociological aspects. Effects of culture and environment on aging; history and demographics; health issues.

Letter grade only (A-F). (Lecturer-discussion, 3 hours.)

#### 401. Human Aging (3)

Prerequisite: GERN 400 or equivalent and upper division standing or consent of instructor.

For non-science majors, presents the biochemical, genetic, and physiological theories of normal aging, and common pathologies distinguished from expected changes with aging. Diagnosis, treatment, and prevention of common diseases are presented as well as current research on human aging.

Letter grade only (A-F) (Lecture-discussion 3 hours)

#### 420./520. Personal Finance for the Aging (3)

Prerequisites: 400-level course in Consumer Affairs or consent of instructor.

Personal finance as applied to the aging population.

Same course as CAFF 420. Not open for credit to students with credit in CAFF 420. (Lecture-discussion 3 hrs)

#### 430./530. Aging and Dementia (3)

Prerequisites: GERN 400, HDEV 357 or PSY 365, or graduate standing, or consent of instructor.

An examination of physiological, psychological, social and economic aspects of dementia and its impact on the individual, the family and society. Community resources, current research and policy issues are included, with a particular emphasis on Alzheimer's disease.

#### 439./539. Nutrition and Aging (3)

Prerequisites: NUTR 132 or BIOL 207 or BIOL 301 or GERN 400 or consent of instructor.

Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older adults.

Letter grade only (A-F). Same course as NUTR 439. Not open for credit to students with credit in NUTR 439.

#### 440. End of Life Issues for Older Adults and Their Families (3)

Prerequisite: Upper division standing.

Multidisciplinary approaches to death/dying in the context of the biopsychosocial model. Explores cross-cultural perspectives, the funeral industry, advanced planning, ethics, hospice, suicide, euthanasia, and grief.

Letter grade only (A-F). (Lecture-discussion 3 hours)

#### 469./569. Disability, Culture and Society: Issues and Intervention (3)

Prerequisites: Senior or graduate standing.

Disability as a social construct. Examines policies and practices to understand the experience of disability. Includes historical and contemporary perspectives as well as future issues. Emphasis on social and clinical intervention methods as well as programs and resources.

Letter grade only (A-F). Same course as REC 469. Not open for credit to students with credit in REC 469 or SW 469.

#### 474. Global Aging (3)

Prerequisite: GERN 400.

Course Description: Examines aspects of individual and societal aging around the world, including demography of aging, cultural perspectives, work and retirement, social welfare, health care, morbidity and mortality, long term care, caregiving, and death and dying.

Not open for credit to students with credit in GERN 574. (Lecture-activity 3 units)

#### 482. Health Assessment of the Aging Client (3)

Prerequisites: GERN 400 or equivalent and upper division standing or consent of instructor.

Assessment of the physical, psychological and social status of the aging client as they affect health and well-being. Focuses on working with aging clients in a variety of settings to identify actual or potential health-related problems using various techniques.

Same course as NRSRG 482. Not open for credit to students with credit in NRSRG 482. (Lecture-discussion, 3 hours) Course fee may be required.

#### 492G. Internship in Gerontology (3)

Prerequisites: Student must be a Gerontology Certificate candidate; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of the Gerontology Certificate Coordinator; and GERN 400, ANTH 454, PSY 365 or HDEV 357. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for 6 units maximum. Same course as FCS 492G. Not open for credit to students with credit in FCS 492G (Seminar 3 hours)

#### 497. Directed Studies (1-3)

Prerequisites: GERN 400, ANTH 454, PSY 365, or HDEV 357, upper-division standing and consent of program director.

Independent study under the supervision of a faculty member. Exploration and experience supplementing and/or complementing regular courses.

May be repeated to a maximum of 6 units.

#### 499. Selected Topics in Gerontology (1-3)

Group investigation of topics of current interest in gerontology.

May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

## GRADUATE LEVEL

### 500. Introduction to the Professional Practice of Gerontology (3)

Prerequisite/Corequisite: GERN 400 or equivalent; graduate standing or consent of instructor.

Graduate level introduction to the professional practice of Gerontology. Emphasis is on application of theoretical concepts, research in practice, ethics, career path exploration, and development of leadership career related skills and resources.

Letter grade only (A-F).

### 520./420. Personal Finance for the Aging (3)

Prerequisites: 400-level course in Consumer Affairs or consent of instructor.

Personal finance as applied to the aging population.

Same course as FCS 520. Not open for credit to students with credit in FCS 520. Letter grade only (A-F). (Lecture-discussion 3 hours)

### 530./430. Aging and Dementia (3)

Prerequisites: GERN 400, HDEV 357 or PSY 365, or graduate standing, or consent of instructor.

An examination of physiological, psychological, social and economic aspects of dementia and its impact on the individual, the family and society. Community resources, current research and policy issues are included, with a particular emphasis on Alzheimer's disease.

### 539./439. Nutrition and Aging (3)

Prerequisites: NUTR 132 or BIOL 207 or BIOL 301 or GERN 400 or consent of instructor.

Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older adults.

Letter grade only (A-F). Same course as FCS 539. Not open for credit for students with credit in NUTR 439, FCS 539, or GERN 439.

### 540. End of Life Issues for Older Adults and Their Families (3)

Prerequisite: Graduate standing.

Multidisciplinary approaches to death/dying in the context of the biopsychosocial model. Explores cross-cultural perspectives, the funeral industry, advanced planning, ethics, hospice, suicide, euthanasia, and grief.

Letter grade only (A-F).

### 550. Social Policy and Aging (3)

Prerequisite: GERN 400, HDEV 357 or PSY 365, and ANTH 454 or consent of instructor.

Major legislation and policies affecting older Americans. Analyses of policy information and change, kinds of data, and social forces that affect development and implementation of aging-related policies and legislation.

### 563. Program Evaluation (3)

Prerequisites: Upper division or graduate course in statistics; GERN 696 (may be taken concurrently) or equivalent.

Principles, design, and methods of program evaluation for use by Family and Consumer Sciences and Gerontology professionals. Selection and development of instrumentation for data collection and interpretation and methods of reporting.

Letter grade only (A-F). Same course as FCS 563. Not open for credit to students with credit in FCS 563. (Seminar 3 hours)

### 569./469. Disability, Culture and Society: Issues and Social Intervention (3)

Prerequisites: Senior or graduate standing.

Disability as a social construct. Examines policies and practices to understand the experience of disability. Includes historical and contemporary perspectives as well as future issues. Emphasis on social and clinical intervention methods as well as programs and resources.

Letter grade only (A-F). Same course as REC 569. Not open for credit to students with credit in REC 569.

### 574. Global Aging (3)

Prerequisite: Graduate standing

Examines aspects of individual and societal aging around the world, including demography of aging, cultural perspectives, work and retirement, social welfare, health care, morbidity and mortality, long term care, caregiving, and death and dying.

Letter grade only (A-F). Not open for credit to students with credit in GERN 474.

### 582. Health Assessment of the Aging Client (3)

Prerequisites: GERN 400 or equivalent and graduate standing or consent of instructor.

Assessment of the physical, psychological and social status of the aging client as they affect health and well-being. Focuses on working with aging clients in a variety of settings to identify actual or potential health-related problems using various techniques.

Letter grade only (A-F). Not open for credit to students with credit in GERN 482 or NRSRG 482.

### 592. Internship in Family and Consumer Sciences/ Gerontology (3)

Prerequisite: Graduate standing and consent of instructor.

Field experience in which student assumes a self directed responsible role in an agency, business or other community setting.

May be repeated to a maximum of 6 units. (Seminar 3 hours) Letter grade only (A-F).

### 597. Independent Study (1-3)

Prerequisites: Graduate standing and consent of instructor.

Independent study under the supervision of a faculty member. Exploration or experience supplementing and/or complementing regular courses to meet student learning goals.

May be repeated for a maximum of six units in different semesters. Letter grade only (A-F).

### 599. Selected Topics in Gerontology (1-3)

Prerequisites: Graduate standing

Group investigation of topics of current interest in gerontology.

May be repeated to a maximum of 6 units with different topics in different semesters. Topics announced in the *Schedule of Classes*.

### 600. Seminar in Leadership and Administration (3)

Prerequisite: Graduate standing

Application of administration, management and leadership theories to family and consumer sciences/gerontology programs. Decision-making, organizational structures and evaluation concepts included.

Letter grade only (A-F). Same course as FCS 600. Not open for credit to student with credit in FCS 600.

### 692. Gerontology Directed Project (3)

Prerequisite: GERN 697.

Students will acquire experiential skills under the guidance of a faculty advisor and supervisor/preceptor at an approved project site. Student will identify problems, design and assess a project or conduct research. Results will be presented in a thesis-style report.

Letter grade only (A-F).

**696. Research Methods (3)**

Prerequisite: Upper-division course in statistics.

Methodological approaches to contemporary research issues in Family and Consumer Sciences. Course focuses on the design, development, and implementation of a formal research-designed project.

Letter grade only (A-F). (Seminar 3 hours) Same course as FCS 696. Not open for credit to students with credit in FCS 696.

**697. Directed Research (3)**

Prerequisite: Advancement to candidacy, GERN 500-level courses in area of study, and GERN 696.

Independent investigation of research problems under the direction of a faculty member.

Letter grade only (A-F).

**698. Thesis (3)**

Prerequisite: GERN 697, advancement to candidacy.

Planning, preparation and completion of a thesis under supervision of a faculty member. Approval of thesis committee.

Letter grade only (A-F).

# HEALTH CARE ADMINISTRATION

College of Health and Human Services

**Department Chair:** Tony Sinay

**Department Office:** Health and Human Services (HHS) 2,  
Room 118

**Telephone:** (562) 985-5694

**Faculty:** Erlyana Erlyana, Brenda Freshman, Henry O'Lawrence,  
Grace Reynolds, Tony Sinay, Sandhya Shimoga

**Administrative Coordinator:** Deby McGill, John Ciulik

## Career Possibilities

Provider Relations Director • Clinical Administrator • Financial Analyst • Director of Managed Care • Director of Nursing • Medical Facilities Section Director • Nursing Home Administrator • Medical Records Administrator • Social Welfare Administrator • Emergency Medical Services Coordinator • Public Health Director • Community Organization Director (For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).) Various entry-level trainee positions in the health care industry are available for graduates of undergraduate program.

## Introduction

### Mission

The mission of the CSULB Health Care Administration Department is to prepare professionals to manage, lead, and improve a changing health care system. Our graduate and undergraduate programs are designed, and continually strive to improve their efforts, to meet the needs of the dynamic health care system, and to emphasize culturally appropriate patient-centered service delivery systems.

The mission of the undergraduate Health Care Administration Program at California State University Long Beach is to provide students with the knowledge, skills and abilities needed by entry level health care professionals in an ethnically and culturally diverse community.

### Vision

Being the highly sought program of choice by students who aspire to meaningful and successful careers in health care management.

### Values

The HCA Program's values are lifelong learning, research and innovations, collaboration, servant leadership, student centered, applied knowledge, professionalism, and ethical behavior.

The department offers four programs:

1. Master of Science in Health Care Administration
2. Bachelor of Science in Health Care Administration
3. Master of Science in Health Care Administration-Accelerated Program
4. Certificate in Health Care Administration

## Accreditation

The graduate program is accredited by the Commission on Accreditation for Health Management Education (CAHME) and the undergraduate program is a fully certified member of the Association of University Programs in Health Administration (AUPHA).

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## Undergraduate Programs

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### Bachelor of Science in Health Care Administration (120 units)

#### Admission Requirements

#### Prerequisites

1. All students must complete a minimum of 13-14 semester units or the equivalent in prerequisite preparatory course for the major: ACCT 201, ECON 101 or ECON 300, HDEV 190, SOC 170 or PSY 110 or STAT 108 and BIOL 205 (or equivalent) or BIOL 207 and BIOL 208. Computer proficiency in word processing, spreadsheet, database and presentation software is expected. Business calculus (MATH 115) is recommended.
2. An overall grade point average of 2.4 or higher is required for entrance into the program. A minimum grade of "C" is required for each prerequisite course.

#### Graduation Requirements

1. Complete the requirements for General Education
2. Complete the prerequisite courses
3. Complete the major core course requirements:
  - IS 233 Introduction to Computer Systems and Applications (3)  
Prerequisites: None
  - HSC 150 Medical Terminology (1)  
Prerequisites: None.
  - HCA 300 The Health Care System (3)  
Prerequisites: None.
  - HCA 312 Health Personnel Management (3)  
Prerequisite: Open to Health Care Administration majors only. Prerequisite/Corequisite: HCA 300.
  - HCA 340 Legal Aspects of Health Administration (3)  
Prerequisite: Open to Health Care Administration majors only. Prerequisite/Corequisite: HCA 300.
  - HCA 341 Financial Management of Health Care Institutions (3)  
Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in ACCT 201.  
Prerequisite/Corequisite: HCA 300.
  - HCA 353 Marketing for Health Services Organizations (3)  
Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in ECON 101 or ECON 300.  
Prerequisite/Corequisite: HCA 300.
  - HCA 410 Health Management and Organization (3)  
Prerequisites: Open to Health Care Administration majors only. Prerequisite/Corequisite: HCA 300.
  - HCA 416 Management and Information Systems (3)  
Prerequisite: Open to Health Care Administration majors only. Prerequisite/Corequisite: HCA 300.
  - HCA 428 Population Health Management for Health Care Administrators (3)  
Prerequisites: Prerequisite: Open to Health Care Administration majors only, upper division standing, or instructor consent.

Prerequisite/Corequisite: HCA 300

**HCA 450 Quality Assurance of Health Care (3)**

Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in HCA 300.

**HCA 465 Analysis and Evaluation of Health Care Services (3)**

Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in PSY 110 or SOC 170 or STAT 108 or equivalent.

**HCA 468 Principles of Risk Management and Patient Safety (3)**

Prerequisites: Open to HCA majors only. A grade of "C" or better in HCA 340, HCA 341 and HCA 450.

**HCA 480 Internship in Health Care Administration (3)**

Prerequisites: Senior status only. Open to Health Care Administration majors only and a grade of "C" or better in HCA 300, HCA 312, HCA 341, HCA 410, HCA 465 and HSC 150.

**HCA 481 Internship & Career Development in HCA (3)**

Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in HCA 480.

4. Upper Division (required elective courses). A minimum of 9 additional units from the following:  
HCA 320, HCA 422, HCA 439, HCA 417, HCA 451, HCA 452, HCA 457, HCA 470, HCA 471.
5. Complete electives as needed to total 120 semester units
6. Fulfill the Graduation Writing Assessment Requirement (GWAR)
7. Each major course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses for which it is not a prerequisite with approval of the Undergraduate Advisor.

## Certificate in Health Care Administration

The Certificate in Health Care Administration is comparable to a minor of 24 units. Components of the program include the forms of organization and operation of health care systems, human resources management, leadership and development, financial management, and marketing. The Certificate may be combined with major programs from a variety of fields, including, but not limited to, behavioral and natural sciences, humanities, health professions, business and public administration, and social work.

Students may only pursue the certificate program in combination with a CSULB degree program.

### Requirements

1. Concurrent enrollment in any bachelor's degree program at CSULB (except Health Care Administration)
2. Minimum GPA of 2.4 in all completed coursework
3. Junior standing
4. Program Director or Academic Advising and Resource Center approval
5. Completion of the following 24 units: ACCT 201; ECON 101; HCA 300, HCA 312, HCA 341, HCA 353, HCA 410 and HCA 450.

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## Graduate Programs

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### Master of Science in Health Care Administration

Graduates of HCA degree programs will achieve and demonstrate the following competencies: health care knowledge, leadership, presentation skills (oral communication), written communication skills, career marketability, teamwork, managing change, conceptual skills, managerial decision making, ethical decision making, information management, interpersonal skills, independence, creativity and critical thinking, analytical skills, planning, advocacy and conflict management.

### Admission Requirements

Each interested individual should apply to the University at [www.csumentor.edu](http://www.csumentor.edu); send official transcripts from an accredited institution to Enrollment Services and pay application fee online.

To obtain admission a Baccalaureate degree from an accredited institution is required. Preferably the candidate is expected to have completed 9 units of course work in accounting, economics and statistics, but these prerequisite courses could be taken during the MS program if needed. An applicant must have an overall undergraduate grade point average of 3.0 or better. Those applicants with less than 3.0, but with acceptable evidence of professional potential shown through recent academic performance and experiential background, may be admitted by special action of the Department Admissions Committee.

In addition, the candidate should prepare an application packet with the following documents and send it to the Department:

1. MSHCA Application Form (available on HCA website)
2. A current and complete resume
3. Statement of purpose describing your career goals in health care administration
4. Three letters of recommendation
5. GMAT or GRE score (will be waived with five or more years of experience in the health care field.)

Please note that an interview with the Program Director may be required.

### Prerequisites

1. Take the following course (or equivalent): ACCT 201
2. Take one of the following courses (or equivalent): ECON 101, ECON 300
3. Take an introductory statistics course or equivalent (e.g., SOC 170).
4. Submit a minimum score of 500 on a recent Graduate Management Admission Test (GMAT) or a total score of a minimum 1000 on the Graduate Record Examination (GRE).

Students should contact the Program Director for a determination of deficiencies and required remediation.



## Graduation Requirements

1. Complete a minimum 45 units graduate-level course work.
  2. Complete all of the following core courses:
    - HCA 502 The Health Care System (3)  
Prerequisites: None.
    - HCA 503 Health Care Economics (3)  
Prerequisites: ECON 101 or ECON 300.
    - HCA 505 Organization and Systems of Health Care (3)  
Prerequisites: Health Care Administration majors only.
    - HCA 510 Human Resources Management in Health Care (3)  
Prerequisite(s): Health Care Administration majors only.  
Prerequisite/Corequisite: HCA 502
    - HCA 515 Advanced Financial Management in Health Care (3)  
Prerequisite: ACCT 201 or ACCT 500; HCA 502; Health Care Administration majors only.
    - HCA 517 Advanced Healthcare Information Systems Management (3)  
Prerequisites: Health Care Administration majors only, HCA 502.
    - HCA 524 Advanced Legal and Ethical Aspects of Health Administration (3)  
Prerequisite: Health Care Administration majors only, HCA 502.
    - HCA 527 Research Methods in Health Care Management  
Prerequisites: SOC 170 or equivalent statistics course, Health Care Administration majors only, HCA 502 and advancement to candidacy.
    - HCA 528. Managing Population Health  
Prerequisite: HCA majors only, HCA 502
    - HCA 530 Strategic Planning and Marketing in Health Care (3)  
Prerequisites/Corequisites: HCA 502.
    - HCA 535 Quantitative Methods for Health Administration (3)  
Prerequisites: Health Care Administration majors only, HCA 502.
    - HCA 550 Continuous Quality Improvement in Health Services (3)  
Prerequisites: Health Care Administration majors only, HCA 502.
- Completion of any two of the following elective courses:  
HCA 536, HCA 537, HCA 539, HCA 552 or HCA 580.
- Culminating Experience  
HCA 698. Project (3)  
Prerequisites: Advancement to candidacy & completion of minimum 27 graduate units in HCA.

## Advancement to Candidacy

Students will be instructed to apply for advancement to candidacy after:

1. Completion of all prerequisite courses,
2. Completion of 6 units of core course work that applies to the degree with an average grade of "B" or better,
3. Fulfillment of the Graduation Writing Assessment Requirement (GWAR),
4. Approval of Program Director.

## Accelerated Program

The Master in Health Care Administration Accelerated Program (MSHCA-AP) is designed to prepare working professionals for administrative positions in health care organizations which requires a minimum three years of work experience and combines online and weekend courses. The MSHCA-AP program requires 45 credit hours consisting of 15 core courses. The program offers foundation courses early and more advanced healthcare specific courses later in the program.

## Accelerated Education Model

### YEAR I

#### First Quarter-Fall

Orientation - No Credit

1. HCA 503 Health Care Economics (3)  
Prerequisites: ECON 101 or ECON 300.
2. HCA 505 Organization and Systems of Health Care (3)  
Prerequisites: Health Care Administration majors only.

#### Second Quarter-Winter

3. HCA 502 The Health Care System (3)  
Prerequisites: None.
4. HSC 500 Principles of Epidemiology (3)  
Prerequisites: HSC 403 or equivalent.

#### Third Quarter-Spring

5. HCA 524 Advanced Legal and Ethical Aspects of Health Administration (3)  
Prerequisite: Health Care Administration majors only, HCA 502.
6. HCA 515 Advanced Financial Management in Health Care (3)  
Prerequisite: ACCT 201 or ACCT 500; HCA 502; Health Care Administration majors only.

#### Fourth Quarter-Summer

7. HCA 535 Quantitative Methods for Health Admin (3)  
Prerequisites: Health Care Administration majors only, HCA 502
8. HCA 510 Human Resources Management in Health Care (3)  
Prerequisite(s): Health Care Administration majors only.  
Prerequisite/Corequisite: HCA 502

### YEAR II

#### First Quarter-Fall

9. HCA 517 Advanced Healthcare Info Systems Management (3)  
Prerequisites: Health Care Administration majors only, HCA 502.
10. HCA 527 Research Methods in Health Care Management (3)  
Prerequisites: SOC 170 or equivalent statistics course, Health Care Administration majors only, HCA 502 and advancement to candidacy.

#### Second Quarter-Winter

11. HCA 537 Managed Care (3)  
Prerequisite: Health Care Administration majors only, HCA 502.
12. HCA 550 Continuous Quality Improvement in Health Services (3)  
Prerequisites: Health Care Administration majors only, HCA 502.

Third Quarter-Spring

13. HCA 698 Project (3)  
Prerequisites: Advancement to candidacy & completion of minimum 27 graduate units in HCA.
14. HCA 536 Hospital Management (3)  
Prerequisites: Health Care Administration majors only, HCA 502.

Fourth Quarter-Summer

15. HCA 530 Strategic Planning/Marketing in Health Care (3)  
Prerequisites/Corequisites: HCA 502.

## Master of Science in Nursing/Master of Science in Health Care Administration

For requirements, see description in the Nursing section of this catalog.

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### Courses (HCA)

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#### LOWER DIVISION

##### 101. Health Care Administration in Action (3)

Offers students opportunities to learn about health administration careers by hearing from and interacting with health care managers working in a variety of organizations, with a focus on those in the greater Long Beach area.

Letter grade only (A-F).

##### 202. Introduction to Health Care in America (3)

Prerequisites: GE Foundation requirements.

US health care system with its delivery and financing mechanisms as well as the technical, economic, political and social forces responsible for changes in the health care system. Contemporary issues such as access, cost and quality, health disparities among minority groups as well as gender disparities including sexual orientation.

Letter grade only (A-F).

#### UPPER DIVISION

##### 300. The Health Care System (3)

Overview and developmental summary of the American health care system and its driving forces: Organizational forms; financing mechanisms; principal industry stakeholders; professional groups and workforce issues; public health and government.

Letter grade only (A-F). Not open for credit to students with credit in: HCA 402.

##### 312. Health Personnel Management (3)

Prerequisite: Open to Health Care Administration majors only.

Prerequisite/Corequisite: HCA 300.

The management of human resources in health care setting. Principles and methods of personnel work such as employee, recruitment, selection, retention, training, evaluation, and wage and salary administration, and labor management relations.

Letter grade only (A-F). (Lecture)

##### 320. Operations Management in Health Administration (3)

Prerequisites: A grade of "C" or better in PSY 110 or SOC 170 or equivalent.

Prerequisite/Corequisite: HCA 300.

The application of the concepts and methods of operations management to health care organizational setting. Emphasis on planning and control in management process.

Letter grade only (A-F). (Lecture)

##### 340. Legal Aspects of Health Administration (3)

Prerequisite: Open to Health Care Administration majors only.  
Prerequisite/Corequisite: HCA 300.

Overview of health law issues. Government regulation including legal constraints; liability; negligence; patient rights; confidentiality; and corporate/administrative responsibility. Emphasis on business applications of health law.

Letter grade only (A-F). (Lecture)

##### 341. Financial Management of Health Care Institutions (3)

Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in ACCT 201.  
Prerequisite/Corequisite: HCA 300.

Application of the concepts of financial management within health care organizations, to include financial planning principles, reimbursement procedures, governmental regulation and legal restraints.

Letter grade only (A-F). (Lecture)

##### 353. Marketing for Health Services Organizations (3)

Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in ECON 101 or ECON 300.  
Prerequisite/Corequisite: HCA 300.

Development of marketing strategies and analyses in a health care setting. Design of services to include pricing, communication, distribution channels, and client motivation and services.

Letter grade only (A-F).

##### 410. Health Management and Organization (3)

Prerequisites: Open to Health Care Administration majors only.  
Prerequisite/Corequisite: HCA 300.

Introduction to health care management practices and concepts. Planning, decision-making, influencing, controlling, effecting change. Effects of environment, technology and human behavior on organizational design.

Letter grade only (A-F). (Lecture)

##### 416. Management and Information Systems (3)

Prerequisite: Open to Health Care Administration majors only.  
Prerequisite/Corequisite: HCA 300.

Evaluation of concepts, analysis and design of management information systems; management decision models, strategies for implementing system changes.

Letter grade only (A-F). (Lecture)

##### 417. Technology, Ethics, and Society (3)

Prerequisites: GE Foundation requirements, upper division standing, ENGL 100 or GE Composition (Area A1).

A framework for understanding the ways in which human societies transform themselves through technological innovation. Ethical questions concerning the social effects of technological change.

Letter grade only (A-F).

##### 422. Global Issues in Health Services (3)

Prerequisites: GE Foundation, one or more Exploration courses and upper division standing.

Examination of factors that impact global health; analysis of health care delivery systems and the governmental, economic, social and political forces that influence them.

Letter grade only (A-F). (Lecture)

### **428. Population Health Management for Health Care Administrators (3)**

Prerequisite: Open to Health Care Administration majors only, upper division standing, or instructor consent.

Prerequisite/Corequisite: HCA300

A systematic approach to managing and improving specific populations and nations health status, with emphasis on the distribution of health within a population, the determinants that influence the distribution, and the policies and interventions that impact the determinants.

Letter grade only (A-F).

### **439./539. Management Challenges in Long Term Care (3)**

Prerequisite: Health Care Administration majors only; undergraduate students HCA 300; graduate students HCA 502.

Functions and essential skills to manage LTC organizations and facilities: Institutional arrangements; Patient/family/community relations; workforce management; marketing; reimbursement.

Letter grade only (A-F). (Lecture)

### **450. Quality Assurance in Health Care (3)**

Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in HCA 300.

Basic elements of quality improvement and organizational responsibilities related to quality assurance. Data analysis for quality improvement, clinical practice guidelines, and future of healthcare quality.

Letter grade only (A-F). (Lecture)

### **451. Economics of Health (3)**

Prerequisite: A grade of "C" or better in ECON 101 or ECON 300.

Microeconomic principles and their application to healthcare such as opportunity cost, production of good health, demand for medical care, production and cost theory and cost-benefit analysis. Behavior of health care markets and organizations.

Letter grade only (A-F). (Lecture)

### **452./552. Medical Group Practice Management (3)**

Prerequisites: Health Care Administration majors only; undergraduate students HCA 300 and HCA 341; graduate students HCA 502.

Fundamental operational responsibilities of medical group administration today, with emphasis on finance, operations and management skills.

Letter grade only (A-F). (Lecture)

### **457. Working Around the World (3)**

Prerequisites: GE Foundation requirements, one or more Exploration courses, upper division standing.

The effects of religion, language and culture, political structure, economics, and physical environment on the development of the workplace and people's perceptions of work and occupations.

Letter grade only (A-F).

### **465. Analysis and Evaluation of Health Care Services (3)**

Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in PSY 110 or SOC 170 or STAT 108 or equivalent.

Techniques of analysis and evaluation applied to health services with respect to organizing, staffing, financing and utilization. Emphasis on the analytic process, program evaluation, and report of findings.

Letter grade only (A-F).

### **468. Principles of Risk Management and Patient Safety (3)**

Prerequisite (s): Open to HCA majors only. A grade of "C" or better in HCA 340, HCA 341 and HCA 450

Study and application of risk management in health services. Measuring and managing risk factors, patient and staff safety, loss prevention and claims, and designing risk management models for

health care providers and caregivers.

Letter grade only (A-F).

### **470. Latinas/Latinos: Health Status and Health Care Access (3)**

Prerequisites: GE Foundation, one or more Exploration courses, upper division standing.

Interdisciplinary exploration of policies, epidemiologic, cultural factors influencing disease within Latino subpopulations, their impact upon efficient, equitable service delivery.

Letter grade only (A-F). Same course as CHLS 470. Not open for credit to students with credit in CHLS 470. (Lecture)

### **471. Geographic Information Science (GIS) for Health (3)**

Prerequisite: GEOG 200 or SOC 170 or equivalent.

Introduction to the fundamentals of Geographic Information Science and Systems (GIS) including concepts and skills in spatial reasoning and spatial thinking. Explores GIS in spatial query, problem analysis and decision support using health-related applications. Lecture/discussion and Laboratory (2 hours lecture, 2 hours computer laboratory)

Letter grade only (A-F). Same course as GEOG 471. Not open for credit to students with credit in GEOG 471.

### **480./580. Internship in Health Care Administration (3)**

Prerequisites: Senior status only. Open to Health Care Administration majors only and a grade of "C" or better in HCA 300, HCA 312, HCA 341, HCA 410, HCA 465 and HSC 150.

Minimum 120 hours of structured work experience in a health care organization, under direct supervision of a preceptor-employee.

Letter grade only (A-F). Course fee may be required. (Workshop/Activity 6 hours)

### **481. Internship and Career Development in Health Care Administration (3)**

Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in HCA 480.

A minimum of 120 hours of structured work experience in a health care organization, under the direct supervision of a preceptor-employee. Career development planning, job search and networking.

Letter grade only (A-F). (Workshop/Activity 6 hours)

### **490. Selected Topics in Health Care Administration (1-3)**

Topics of special interest in health care administration selected for intensive study.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

### **499. Directed Studies (1-3)**

Prerequisite: Consent of instructor.

Independent study of special topics under supervision of a faculty member.

May be repeated to a maximum of 6 units with approval of Health Care Administration Program Director. Letter grade only (A-F).

## **GRADUATE LEVEL**

### **502. The Health Care System (3)**

Overview, developmental summary of the American health care system and its driving forces. Major elements of the healthcare system; today's major health policy issues in a historical, economic and political context.

Letter grade only (A-F).

**503. Health Care Economics (3)**

Prerequisites: ECON 101 or ECON 300

Application of economic principles to health care; the flow of funds through the health care system including physicians, hospitals, managed care, nursing home and pharmaceutical firms. Third party payment, asymmetric information, and behavior health care systems.

Letter grade only (A-F).

**505. Organization and Systems of Health Care (3)**

Prerequisites: Health Care Administration majors only.

Analysis of operational activities and managerial functions essential to the health care delivery system, with emphasis on management and leadership influence on developing effective systems of care within various institutional arrangements.

Letter grade only (A-F).

**510. Human Resources Management in Health Care (3)**

Prerequisite(s): Health Care Administration majors only.

Prerequisite/Corequisite: HCA 502

Management of human resources in the health care system including human resource planning and staffing, training and development, performance appraisal, job design and analysis, and compensation.

Letter grade only (A-F).

**515. Advanced Financial Management in Health Care (3)**

Prerequisite: ACCT 201 or ACCT 500; HCA 502; Health Care Administration majors only.

Financial environment, payment systems, discounted cash flow analysis, risk, financial statements, capital investments, and capital budgeting. Emphasis on decision making using accounting and finance theories, principles, concepts and techniques.

Letter grade only (A-F).

**517. Advanced Healthcare Information Systems Management (3)**

Prerequisite: Health Care Administration majors only, HCA 502.

Broad overview of healthcare information systems; close examination of business needs for the information technology (IT) to deliver cost-effective quality health services.

Letter grade only (A-F).

**524. Advanced Legal and Ethical Aspects of Health Administration (3)**

Prerequisite: Health Care Administration majors only, HCA 502.

Federal and state regulation of health care facilities, employees, patients and programs. Ethical and legal perspectives on malpractice, liability, contracts, informed consent, end-of-life decisions, reproductive health, medical records, confidentiality and required disclosures.

Letter grade only (A-F).

**527. Research Methods in Health Care Management (3)**

Prerequisites: SOC 170 or equivalent statistics course, Health Care Administration majors only, HCA 502 and advancement to candidacy

Research design and methods in health care management and health services, including use of literature review, inferential statistics, hypothesis testing and sampling, experimental and quasi-experimental approaches, and research ethics.

Letter grade only (A-F)

**528. Managing Population Health (3)**

Prerequisite: Health Care Administration majors only, HCA 502

Fundamental epidemiologic concepts and applications in health care management practice. Approaches to measure the health status of populations, identify modifiable causal factors for preventing and controlling adverse health outcomes, and improve population health.

Letter grade only (A-F)

**530. Strategic Planning and Marketing in Health Care (3)**

Prerequisite/Corequisite: HCA 502.

Strategic planning based on analysis of analyses of secondary quantitative and qualitative data to study changes in technological, social, political, regulatory, and competitive aspects of the health care market.

Letter grade only (A-F).

**535. Quantitative Methods for Health Administration (3)**

Prerequisites: Health Care Administration majors only, HCA 502.

Application of quantitative and operations research techniques to problems in health care settings. Exposure to decision theory and control systems. Problem solving experiences in resource allocation, procedures, scheduling, forecasting, measurement and cybernetic control.

Letter grade only (A-F).

**536. Hospital Management (3)**

Prerequisites: Health Care Administration majors only, HCA 502.

Analysis of hospitals by broad function and specific departments through cases, simulations and visits to develop familiarity with internal operations of acute care hospitals and skills in solving hospital operational problems.

Letter grade only (A-F).

**537. Managed Care (3)**

Prerequisite: Health Care Administration majors only, HCA 502.

Orientation to the organization and administration of health maintenance organizations, preferred provider organizations and related enterprises. Legal and regulatory issues, marketing, utilization management, premium rating systems, information systems, case/disease management.

Letter grade only (A-F). (Seminar 3 hours)

**539./439. Management Challenges in Long Term Care (3)**

Prerequisite: Health Care Administration majors only; undergraduate students HCA 300; graduate students HCA 502.

Functions and essential skills to manage LTC organizations and facilities: institutional arrangements; patient/family/community relations; workforce management; marketing; reimbursement.

Letter grade only (A-F).

**550. Continuous Quality Improvement in Health Services (3)**

Prerequisites: Health Care Administration majors only, HCA 502.

Administrative and professional issues to assure quality in health care. Historical beginnings: metrics and indicators; state-of-the-art practices; voluntary and governmental monitoring.

Letter grade only (A-F).

**552./452. Medical Group Practice Management (3) F**

Prerequisites: Health Care Administration majors only; undergraduate students HCA 300 and HCA 341; graduate students HCA 502.

Fundamental operational responsibilities of medical group administration today, with emphasis on finance operations and management skills.

Letter grade only (A-F).

**580./480. Internship in Health Care Administration (3)**

Prerequisites: Senior status only.

Minimum 120 hours of structured work experience in a health care organization, under direct supervision of a preceptor-employee. Graduate students study and report on institution's organizational structure, philosophy, problems and personnel.

May be repeated to a maximum of six units in different semesters. Letter grade only (A-F). Course fee may be required. (Workshop/Activity 6 hours)

**590. Selected Topics in Health Care Administration (1-3)**

Topics of current interest in the various fields of health administration and health services management selected for special presentation.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. Topics announced in the *Schedule of Classes*.

**599. Directed Studies (1-3)**

Prerequisite: Consent of instructor.

Directed study of a special topic to be taken under supervised independent study.

May be repeated for a maximum 6 units with different topics in different semesters. Letter grade only (A-F).

**698. Project (3)**

Prerequisites: Advancement to candidacy & completion of minimum 27 graduate units in HCA. -

Under the direction of the Thesis/Project Advisor, the student completes a thesis/project in the form of a business plan, including a literature review. Letter grade only (A-F). A grade of "B" or better is required for successful completion.

Letter grade only (A-F), including the RP option.

# HEALTH SCIENCE

College of Health and Human Services

**Department Chair:** Gail C. Farmer

**Department Office:** Health and Human Services (HHS) 2, Room 115  
Telephone: (562) 985-4057

**Faculty:** Veronica Acosta-Deprez, Niloofer Bavarian, Stephanie L. Eatmon (Emerita), Dale W. Evans (Emeritus), Gail Farmer, Mohammed R. Forouzesh, Robert H. Friis (Emeritus), Ka Wa Gorman, Sarath Gunatilake, Javier Lopez-Zetina, Charles Malotte (Emeritus), Britt K. Rios-Ellis, Selena Nguyen-Rodriguez

**Liaison, CSULB/VA Joint Studies Institute:** Gail C. Farmer

**Undergraduate Coordinator:** Victoria Bisorca

**Coordinator, Single Subject Credential:** Victoria Bisorca

**Department Coordinator:** Karen Miyahara

## Career Possibilities

*Health Science:* Health Educator • Government Inspector • California Middle/High School Health Teacher • Researcher/Evaluator • Health Education Specialist • Public Health Educator • Patient Educator

(For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

## Introduction

The Department offers undergraduate and graduate study in Health Education. For program information, students should review the information found on our website <http://www.csulb.edu/colleges/chhs/departments/health-science/>, Academic Advising and Resource Center (AARC), or the appropriate Health Science Department Coordinator.

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## Undergraduate Programs

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### Bachelor of Science in Health Science

The basic University requirements for graduation with a B.S. Degree in Health Science consist of:

1. completion of general education requirements,
2. completion of all courses identified on the Program Planner for the Option selected, with no grade lower than a "C" for each listed course or approved substitute,
3. completion of a minimum of 120 units, at least 40 units of which must be upper division. Upper division courses are numbered 300 to 499.

### Major Core Requirements

All Health Science majors must complete the required core. The core of the Health Science program contains five areas of competence: Statistics, Program Development, Professionalism, Health Services Organization and Health Promotion. All majors must complete at least one course from each competency area. Courses must be selected in consultation with an advisor.

### Option in Community Health Education (120 units)

The Community Health Education option is designed for persons whose occupational objective is to serve as a community health educator with an official, voluntary, or corporate health agency.

Lower Division:

Take all of the following courses:

H SC 210 Contemporary Health Issues (3)  
Prerequisite: GE Foundation requirements.

BIOL 205 Human Biology (4)  
Prerequisite: GE Foundation requirements.

or

BIOL 207 Human Physiology (4)  
Prerequisite: GE Foundation requirements

and

BIOL 208 Human Anatomy (4)  
Prerequisite: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

Additionally, take:

CHEM 100 Chemistry and Today's World (4) or Higher  
Prerequisite: One Foundation course

NUTR 132 Introductory Nutrition (3)  
Prerequisite/Corequisites: One Foundation course.

PSY 100 General Psychology (3)  
Prerequisite/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

Take one of the following courses:

PSY 110 Introductory Statistics (4)  
Prerequisite: Eligible to take a General Education Mathematics course.

SOC 170 Elementary Statistics (4)  
Prerequisites: Eligible to take a General Education Mathematics course.

STAT 108 Statistics for Everyday Life (3)  
Prerequisites: None.

Upper Division:

Take all of the following courses:

H SC 301 Orientation to Health Science (3)  
Prerequisite: Open to Health Science majors and minors only.

H SC 400 Principles of Epidemiology (3)  
Prerequisite: Open to Health Care Administration and Health Science majors and minors only. Health Care Administration majors: SOC 170 or PSY 110 or STAT 108. Health Science majors: H SC 403.

H SC 401 Community Health Education (3)  
Prerequisite: HSC 301.

H SC 402 Applied Concepts of Community Health Education (3)  
Prerequisite: H SC 301, H SC 401 and H SC 421.

H SC 403 Community Health Statistics (3)  
Prerequisite: GE Math and SOC 170 or PSY 110 (PSY 100 prereq) or STAT 108.

H SC 405 Health Education Program Evaluation and Measurement (3)

Prerequisite: H SC 403 and H SC 421.

H SC 421 Health Behavior (3)

Prerequisite: Upper-division standing.

H SC 430 School Health Program (3)

Prerequisite: HSC 301.

H SC 435 Health Promotion Risk Reduction (3)

Prerequisite: HSC 421.

H SC 440 Applied Concepts of Health Science (3)

Prerequisite: HSC 430. Students must have scored 11 or higher on the GVAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GVAR Writing Intensive Capstone.

H SC 485 Internship in Community Health Education (3)

Prerequisite: H SC 402 and H SC 405.

Take three courses selected from the following:

H SC 407, H SC 420, H SC 422, H SC 423, H SC 425, H SC 427

Take one course selected from the following:

PSY 351 or SOC 335

Take one course selected from the following:

SOC 320, SOC 462, SOC 464

Take one course selected from the following:

COMM 334, COMM 335

## Option in School Health Education (120 units)

The School Health Option is designed for persons who wish to become health science teachers in California middle and high schools. The program is approved by the California Commission on Teacher Credentialing and meets subject matter competence requirements for the Single Subject Teaching Credential in Health Science. Prospective students should consult the department's Health Science Single Subject Advisor early to plan their program.

### Requirements

Lower Division:

Take all of the following courses:

H SC 210 Contemporary Health Issues (3)

Prerequisite: GE Foundation requirements.

BIOL 205 Human Biology (4)

Prerequisite: GE Foundation requirements.

or

BIOL 207 Human Physiology (4)

Prerequisite: GE Foundation requirements

and

BIOL 208 Human Anatomy (4)

Prerequisite: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

Additionally, take:

CHEM 100 Chemistry and Today's World (4) or Higher

Prerequisite: One Foundation course

NUTR 132 Introductory Nutrition (3)

Prerequisite/Corequisites: One Foundation course.

PSY 100 General Psychology (3)

Prerequisite/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

Take one of the following courses:

PSY 110 Introductory Statistics (4)

Prerequisite: Eligible to take a General Education

Mathematics course.

SOC 170 Elementary Statistics (4)

Prerequisites: Eligible to take a General Education Mathematics course.

STAT 108 Statistics for Everyday Life (3)

Prerequisites: None.

Upper Division:

Take one of the following:

COMM 335 Persuasive Speaking (3)

Prerequisite: GE Foundation requirements.

Approved upper-division COMM course

Take one of the following courses:

EDP 301 Child Development and Learning (3)

Prerequisite: None.

EDP 302 Early and Late Adolescent Development (3)

Prerequisite: None.

EDP 305 Educational Psychology (3)

Prerequisite: None.

Take one of the following courses:

ANTH 329; CDFS 319; HSC 420; PSY 378;

SOC 320, SOC 423

Subject Matter Courses

Take all of the following courses:

EETC 444 Computer Technology in Education, Level I (3)

Prerequisite: Course design assumes familiarity with topics introduced in EETC 110.

H SC 210 Contemporary Health Issues (3)

Prerequisite: GE Foundation requirements.

H SC 301 Orientation to Health Science (3)

Prerequisite: Open to Health Science majors and minors only.

H SC 401 Community Health Education (3)

Prerequisite: HSC 301.

H SC 403 Community Health Statistics (3)

Prerequisite: GE Math and SOC 170 or PSY 110 (PSY 100 prereq) or STAT 108.

H SC 421 Health Behavior (3)

Prerequisite: Upper-division standing.

H SC 422 Environmental Health (3)

Prerequisite: Upper-division standing.

H SC 423 Consumer Health (3)

Prerequisite: Upper-division standing.

H SC 425 Human Sexuality and Sex Education (3)

Prerequisite: GE Foundation, one or more Exploration courses, and upper-division standing. Recommended: PSY 100.

H SC 427 Drugs and Health (3)

Prerequisite: Upper-division standing.

H SC 430 School Health Program (3)

Prerequisite: HSC 301.

H SC 435 Health Promotion/Risk Reduction (3)

Prerequisite: HSC 421.

H SC 440 Applied Concepts of Health Science (3)

Prerequisite: HSC 430. Students must have scored 11 or higher on the GVAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GVAR Writing Intensive Capstone.

## Single Subject Teaching Credential in Health Science

In addition to meeting the subject matter competence requirement for the Single Subject Teaching Credential in Health Science, prospective health teachers are also required to complete an additional 45 units of professional preparation in the Single Subject Credential Program, including student teaching. Students may begin the professional preparation courses as early as the junior year. With careful planning, it is possible to complete all of the credential program courses, except for student teaching as an undergraduate. Courses may also be completed as a post-baccalaureate student. Refer to the Single Subject Teacher Education section of this catalog or the Single Subject Credential Program website ([www.ced.csulb.edu/single-subject](http://www.ced.csulb.edu/single-subject)) for a description of the professional preparation requirements, courses, and application procedures.

The Health Science Subject Matter Program is being revised to meet new state standards. When the revised program has been approved by the Commission on Teacher Credentialing, the new course requirements will be in effect and supersede current requirements.

## Minor in Health Science

Twenty-four units required.

Take all the following courses:

- H SC 301 Orientation to Health Science (3)  
Prerequisite: Open to Health Science majors and minors only.
- H SC 401 Community Health Education (3)  
Prerequisite: HSC 301.
- H SC 430 School Health Program (3)  
Prerequisite: HSC 301.
- H SC 435 Health Promotion Risk Reduction (3)  
Prerequisite: HSC 421.
- H SC 440 Applied Concepts of Health Science (3)  
Prerequisite: HSC 430. Students must have scored 11 or higher on the GVAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GVAR Writing Intensive Capstone.

Take three courses from the following courses:

- H SC 400, H SC 420, H SC 421, H SC 422, H SC 423, H SC 425, H SC 427.

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## Graduate Programs

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### Graduate Program in Health Education

Accredited by the Council on Education for Public Health (Council on Education for Public Health, 1010 Wayne Avenue, Suite 220, Silver Springs, MD 20910-5600, phone: (202) 789-1050).

In order to be admitted to the graduate program for study toward a degree, a prospective candidate must apply both to this department and the University. Contact the Director of Graduate Studies for current requirements.

The graduate student will be prepared for a leadership role in a school or community setting and for admission to doctoral programs. Admitted graduate students must contact the Director of Graduate Studies for advisement

early in their first semester of enrollment in order to develop an approved program of study.

## Master of Public Health

### Option in Community Health Education

The Master of Public Health in Community Health provides an opportunity for students: to specialize in community health education and health promotion within the general context of Public Health; to increase competence in designing, implementing, and evaluating social behavior changes programs in preparation for serving in various health agencies; prepare for teaching at college and university levels; and for administrative positions in public and private health agencies.

### Admission Requirements

Applicants must apply both to the Department and the University. Applications are available online at [www.csulb.edu/health-science](http://www.csulb.edu/health-science).

1. Each applicant must request that a copy of official transcript(s) of all work be sent to the university's Office of Enrollment Services.
2. A bachelor's degree with a major in health education, which articulates with the course requirements for the same degree at California State University, Long Beach; or a bachelor's degree in a related discipline with a minimum of 21 units of upper division course work comparable to those required of the Health Science major at the University; or a bachelor's degree in a related discipline and willingness to make up any deficiencies in prerequisite Health Science courses. Prerequisite for all courses carrying graduate credit must have been completed within seven years of acceptance to the graduate program. If any prerequisite is outdated, it must be repeated. Credit may be obtained by (1) written examination on the subject matter or (2) providing documented evidence of currency in the subject area.
3. An overall undergraduate GPA of at least 3.0. Students with less than a 3.0 GPA on the last 60 units of undergraduate units attempted, but who show promise in all other aspects, may be given special consideration after petitioning for conditional admission into the program through the Director of Graduate Studies.
4. Acceptance by the University as a student with graduate standing.
5. A maximum of 9 units of graduate work at the post-baccalaureate level may be credited to a student's program requirements upon departmental acceptance to the graduate program.
6. Submission of analytic, quantitative and verbal scores from the Graduate Record Examination (GRE) to the University.
7. Submission, through CSU Mentor, of a copy of the CSU graduate application.
8. Three letters of recommendation from persons with whom the applicant has worked and/or who have direct knowledge of the applicant's professional and academic potential as a health educator.
9. A separate personal statement of reasons for pursuing this field of study and comments about interests and



experience that are germane to career objectives. Submit a personal resume reflecting the applicant's education and relevant experience.

10. At least one year's full-time (or equivalent) paid or volunteer experience in Health Education or a closely related health field. Preference will be given to those with greater experience and ability.

### Advancement to Candidacy

1. Satisfy the general university requirements for advancement to candidacy:
  - A. Fulfill the Graduation Writing Assessment Requirement (GWAR);
  - B. Maintain at least a 3.0 average for all course work attempted as a graduate student;
  - C. Complete the following: H SC 500, H SC 503, H SC 570
2. Approval by the Director of Graduate Studies and Associate Dean for Academic Programs of the College of Health and Human Services.

### Requirements - Comprehensive Exam Option

1. A minimum of 42 units of approved upper-division and graduate-level courses including:
  - A. 39 units of core classes including:
    - HSC 500 Principles of Epidemiology (3)  
Prerequisites: HSC 403 or equivalent.
    - HCA 502 The Health Care System (3)  
Prerequisites: None
    - HSC 503 Advanced Community Health Statistics (3)  
Prerequisites: HSC 403 or equivalent.
    - HSC 508 Administrative Relationships in Health Education Programs (3)  
Prerequisites: Undergraduate major in Health Science or related field.
    - HSC 528 Advanced Environmental Health (3)  
Prerequisites: HSC 500.
    - H SC 570 Theoretical Concepts and Issues in Health Science (3)  
Prerequisites: None.
    - H SC 581 Curriculum Dev in Health Education (3)  
Prerequisites: Undergraduate major in Health Science or related field..
    - H SC 585 Health Education Internship (1-6)  
Prerequisites: Advancement to candidacy or consent of instructor.
    - HSC 624 Seminar in Community Analysis and Program Planning (3)  
Prerequisites: Undergraduate major in Health Science or related field; HSC 402 or department consent.
    - HSC 625 Advanced Community Health Education (3)  
Prerequisites: Undergraduate major in Health Science or related field; HSC 624 or department consent.
    - H SC 626 Integrative Seminar in Public Health (3)  
Prerequisites: HSC 570, advancement to candidacy.
    - HSC 696 Research Methods (3)  
Prerequisites: HSC 500, HSC 503
  - B. 3 units of electives at the 500/600 level;  
A comprehensive written examination (see department for guidelines) or a thesis with an oral exam. (Note: In order to satisfy the culminating activity requirement (thesis, project, or comprehensive examination dependent upon the program), students must earn at least three (3) units and no more than six (6) units related to the completion of the

culminating activity.)

### Requirements - Thesis Option

- A. 39 units of core classes including:
  - H SC 500 Principles of Epidemiology (3)  
Prerequisites: HSC 403 or equivalent.
  - H SC 503 Advanced Community Health Statistics (3)  
Prerequisites: HSC 403 or equivalent.
  - H SC 508 Administrative Relationships in Health Education Programs (3)  
Prerequisites: Undergraduate major in Health Science or related field.
  - H SC 528 Advanced Environmental Health (3)  
Prerequisites: HSC 500.
  - H SC 570 Theoretical Concepts and Issues in Health Science (3)  
Prerequisites: None.
  - H SC 581 Curriculum Dev in Health Education (3)  
Prerequisites: Undergraduate major in Health Science or related field.
  - H SC 585 Health Education Internship (3)  
Prerequisites: Advancement to candidacy or consent of instructor.
  - H SC 624 Seminar in Community Analysis and Program Planning (3)  
Prerequisites: Undergraduate major in Health Science or related field; HSC 402 or department consent.
  - H SC 696 Research Methods (3)  
Prerequisites: HSC 500, HSC 503
  - H SC 698 Thesis (1-6)  
Prerequisite: HSC 503, HSC 570, HSC 696 and advancement to candidacy.
- B. 9-12 units of electives in a specialty field at the 500/600 level; A thesis with an oral exam.

### Single Subject Teaching Credential in Health Science

For information, refer to the undergraduate section in this department.

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### Courses (H SC)

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#### LOWER DIVISION

##### 150. Medical Terminology (1)

Development of medical vocabulary emphasizing the building of terms utilizing prefixes, combining forms and suffixes. Includes medical terms for application in the interpretation of medical records.

(Lecture-discussion 1 hour) Letter grade only (A-F).

##### 210. Contemporary Health Issues (3)

Prerequisite: GE Foundation requirements.

Develop a scientific understanding of contemporary health issues enabling one to examine, interpret, evaluate and apply to individual personal health; includes health related issues experienced throughout the life cycle and an identification of community health resources.

## UPPER DIVISION

### 301. Orientation to Health Science (3)

Prerequisite: Open to Health Science majors and minors only.

Overview of philosophy of Health Science Department Orientation to degree requirements, career opportunities, and theoretical and practical issues of health education as a profession.

Letter grade only (A-F).

### 333. Latino Nutrition, Health and Chronic Disease Prevention (3)

Prerequisite: GE Foundation requirements, one or more Exploration courses and Upper-division standing.

Explores nutrition-related and contextual factors associated with the high rates of chronic disease among diverse Latino-specific subpopulations and provide culturally-relevant strategies for prevention.

Letter grade only (A-F). Same course as NUTR 333. Not open for credit to students with credit in NUTR 333.

### 400. Principles of Epidemiology (3)

Prerequisite: Open to Health Care Administration and Health Science majors and minors only. Health Care Administration majors: SOC 170 or PSY 110 or STAT 108. Health Science majors: H SC 403.

Application of epidemiologic procedures to the understanding of the occurrence and control of infectious and chronic diseases, mental illness, environmental health hazards, accidents, and geriatric problems.

Letter grade only (A-F). (Lecture 3 hours)

### 401. Community Health Education (3)

Prerequisite: H SC 301.

Concepts of community health education with emphasis on community organization; application of these concepts to health education activities of official, voluntary and professional health agencies.

Letter grade only (A-F).

### 402. Applied Concepts of Community Health Education (3)

Prerequisites: H SC 301, H SC 401 and H SC 421

Identification and application of concepts unique to community health education; includes examination of theoretical foundations, marketing and promotion techniques, and application of health education strategies.

Letter grade only (A-F).

### 403. Community Health Statistics (3)

Prerequisites: GE Math and SOC 170 or PSY 110 (PSY 100 prereq) or STAT 108 or HDEV 190

Representative topics are descriptive statistics, sample designs, central tendency, and variability. Statistical tools for inferential analyses include hypothesis testing and parameter estimation.

Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

### 405. Health Education Program Evaluation and Measurement (3)

Prerequisites: H SC 403 and H SC 421

Research designs, standardized measurements, data collection, analysis, and reporting are used to develop evaluation skills to assess program outcomes. Program activities promoting behavior change in communities, organizations, groups and individuals are evaluated.

Letter grade only (A-F). (Discussion 3 hours)

### 407. Health Equity and Health Disparities Research in the US (3)

Prerequisite: GE Foundation, one or more Exploration courses and upper-division standing.

Explores socioeconomic, biologic, environmental, and institutional factors associated with health issues and disease. Students will learn about research and interventions to affect positive health outcomes and access for underserved, underrepresented diverse populations.

Letter grade only (A-F).

### 411A. Health Science for Elementary Teachers (3)

Prerequisite: Upper-division standing. Corequisite: Current CPR Certification required.

Contemporary teaching of health education in elementary schools; emphasizes coordinated school health, drugs, sexuality, nutrition, child abuse, violence, community and human ecology. Based upon California Health Framework, meets state credential requirements.

Not open for credit to health Science majors or minors.

### 411B. Health Science for Secondary Teachers (3)

Prerequisite: Upper-division standing. Corequisite: Current CPR Certification required.

Contemporary teaching of health education in secondary schools; emphasizes coordinated school health, integrating health content and instruction into other subjects, drugs, sexuality, nutrition, child abuse, violence, community and human ecology. Based upon California Health Framework, meets state credential requirements.

Not open for credit to health Science majors or minors

### 420. International Health (3)

Prerequisite: GE Foundation, one or more Exploration courses, and upper-division standing.

Analysis of current health problems in the world; examination of contributing social, psychological, physical, legal and cultural factors; international programs for the improvement of world health; structure and functions of world health agencies and organizations.

Course fee may be required.

### 421. Health Behavior (3)

Prerequisites: Upper-division standing

Survey of contemporary research on the health effects of human behavior. Special emphasis is given to current issues of health behavior, decision-making in contemporary society, values clarification and contemporary theories of behavior change (e.g., health belief model).

Letter grade only (A-F).

### 422. Environmental Health (3)

Prerequisite: Upper-division standing

Examination of reciprocal relationship existing between man and his environment, with the emphasis directed toward the health related consequences of man's actions in the environment.

Letter grade only (A-F).

### 423. Consumer Health (3)

Prerequisite: Upper-division standing

Effective selection of health information, products and services; medical quackery and fraudulent health practices; laws and agencies protecting the consumer; health care delivery systems; and influences of corporate control on the consumer movement in contemporary society.

Letter grade only (A-F).

### **425. Human Sexuality and Sex Education (3)**

Prerequisite: G.E. Foundation, one or more Exploration courses, and upper-division standing. Recommended: PSY 100.

Biomedical, sociological, and psychological aspects of human sexuality, the communication of sexual information, the implementation, content and evaluation of family life and sex education in the schools.

### **427. Drugs and Health (3)**

Prerequisite: Upper-division standing.

Study of psychoactive drugs with primary attention to alcohol, nicotine, caffeine, cannabis, hallucinogens, narcotics and other drugs; examination of trends, philosophical issues and behavioral practices associated with drug use and dependence. Includes physiological psycho-social, legal, historical, philosophical and political aspects; treatment-rehabilitation activities and programs; and drug abuse prevention education.

Not open for credit to students with credit in H SC 327.

### **430. School Health Program (3)**

Prerequisite: H SC 301.

Intensive analysis of the philosophy, organization and legal aspects of the school health program. Includes school and community coordination for a team approach to health education for the school age individual.

Letter grade only (A-F).

### **435./535. Health Promotion and Risk Reduction (3)**

Prerequisite: H SC 421.

Health promotion/risk reduction program content, development and implementation for use in corporate, hospital and public settings. Intended primarily for Health Science majors.

Letter grade only (A-F). (Discussion 3 hours)

### **440. Applied Concepts of Health Science (3)**

Prerequisite: H SC 430. Students must have scored 11 or higher on the GEAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GEAR Writing Intensive Capstone.

Identification and application of the concepts and modes of inquiry unique to the discipline of health science; development of appropriate curriculum based upon an analysis of individual, school and community needs and interests.

Letter grade only (A-F).

### **485. Internship in Community Health Education (3)**

Prerequisites: H SC 402 and H SC 405

Preparation for and introduction to work experience in a community health organization. A minimum of 80 hours work experience in a community health organization under direct supervision of a preceptor.

Letter grade only (A-F). (6 hours activity)

### **486. Internship and Careers in Community Health Education (3)**

Prerequisite: Open to Health Science majors only. H SC 485 and consent of instructor.

Culminating experience in a community health setting. Assess needs, plan and implement health education programs and strategies. Evaluation of work experience in a community health organization where a minimum of 120 hours work experience required under the direct supervision of a preceptor.

Letter grade only (A-F). (6 hours activity)

### **490. Independent Studies in Health Science (1-3)**

Prerequisite: Consent of instructor.

Students conduct independent library or laboratory research under the supervision of a faculty member and write a report of the investigation.

May be repeated to a maximum of 6 units.

### **497. Selected Topics in Health Science (3)**

Group investigation of selected topics.

Letter grade only (A-F). May be repeated for a maximum of 6 units with different topics in different semesters. Topics announced in the *Schedule of Classes*.

## **GRADUATE LEVEL**

### **500. Principles of Epidemiology (3)**

Prerequisite: HSC 403 or equivalent.

Application of epidemiologic procedures to the understanding of the occurrence and control of infectious and chronic diseases, mental illness, environmental health hazards, accidents, and geriatric problems.

Letter grade only (A-F). (Lecture 3 hours.)

### **503. Advanced Community Health Statistics (3)**

Prerequisite: HSC 403 or equivalent.

Analysis of quantitative health related data. Topics include mean and percentage comparisons, multiple regression, logistic regression and survival analysis. Use of computers is required.

Letter grade only (A-F). (Discussion, 3 hours)

### **507. Health Equity and Health Disparities Research in the US (3)**

Prerequisite: Undergraduate major in Health Science or related field.

Explores socioeconomic, biologic, environmental, and institutional factors associated with health issues and disease. Students will learn about research and interventions to affect positive health outcomes and access for underserved, underrepresented diverse populations.

Letter grade only (A-F).

### **508. Administrative Relationships in Health Education Programs (3)**

Prerequisite: Undergraduate major in Health Science or related field.

Introduction to administrative theory; investigation of administrative responsibilities and functions implicit in school health or other health education programs.

Letter grade only (A-F).

### **528. Advanced Environmental Health (3)**

Prerequisite: HSC 500.

Organization and methods for promoting human health by controlling environmental factors.

Letter grade only (A-F).

### **534. Advanced Latino Nutrition, Health and Chronic Disease Prevention (3)**

Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.

Explores nutrition-related and contextual factors associated with the high rates of chronic disease among diverse Latino-specific subpopulations and provides culturally relevant strategies for prevention.

Letter grade only (A-F). Same course as FCS 534. Not open for credit to students with credit in FCS 534.

### **535./435. Health Promotion and Risk Reduction (3)**

Prerequisite: H SC 421 or consent of instructor.

Health promotion/risk reduction program content, development and implementation for use in corporate, hospital and public settings. Intended primarily for Health Science majors.

Letter grade only (A-F). (Discussion 3 hours)

**537. Culturally Responsive Nutrition Promotion for Latinos (3)**

Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.

Explores the need and methods to develop culturally and linguistically relevant nutrition education with a focus on the Latino population. Students analyze, evaluate, and create culturally competent nutrition interventions for the Latino community.

Letter grade only (A-F). Same course as FCS 537. Not open for credit to students with credit in FCS 537.

**570. Theoretical Concepts and Issues in Health Science (3)**

Identification and analysis of current trends, philosophies and issues in health science.

Letter grade only (A-F).

**581. Curriculum Development in Health Education (3)**

Prerequisite: Undergraduate major in Health Science or related field.

Principles of curriculum development; selection and evaluation of resource materials; theory and practice in measurement in health education.

Letter grade only (A-F).

**585. Health Education Internship (1-6)**

Prerequisite: Advancement to candidacy and department consent.

Extended applied experience under guidance of faculty and preceptors in an approved health education practice setting.

Letter grade only (A-F). (480 hours of field placement or the equivalent experience.)

**590. Independent Study (1-3)**

Independent research conducted under the supervision of a full-time faculty member resulting in a written report of the investigation.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics.

**597. Selected Topics in Health Science (3)**

Group investigation of selected topics. Topics are announced in the Schedule of Classes.

Letter grade only (A-F). May be repeated for a maximum of 6 units with different topics in different semesters.

**624. Seminar in Community Analysis and Program Planning (3)**

Prerequisite: Undergraduate major in Health Science or related field; HSC 402 or department consent.

Process and techniques of community analysis and program planning.

Letter grade only (A-F).

**625. Advanced Community Health Education (3)**

Prerequisite: Undergraduate major in Health Science or related field; HSC 624 or department consent.

Advanced study of educational and related theory applicable to the conduct of health education programs in community and other settings. Methods of promoting change; role as program and staff director and evaluation techniques.

Letter grade only (A-F).

**626. Integrative Seminar in Public Health (3)**

Prerequisite: H SC 570, advancement to candidacy.

Summative critical analysis of current methodologies, research, and practices in public health and health education in particular. Synthesis of coursework, internship, and other relevant experiences in the graduate program.

Letter grade only (A-F).

**696. Research Methods (3)**

Prerequisite: Undergraduate major in Health Science or related field; undergraduate course in statistics.

Introduction to research methodology in the area of Health Science.

Letter grade only (A-F).

**697. Directed Studies (1-3)**

Prerequisite: Advancement to candidacy.

Independent investigation of research problems in health education.

Letter grade only (A-F).

**698. Thesis (1-3)**

Prerequisite: H SC 696, advancement to candidacy.

Planning, preparation and completion of an approved thesis.

May be repeated to a maximum of 6 units in different semesters.

# HOSPITALITY MANAGEMENT

College of Health and Human Services  
Department of Family and Consumer Sciences

**Department Chair:** Wendy Reiboldt

**Department Office:** Family and Consumer Sciences (FCS) - 001  
Telephone / Fax: (562) 985-4484 / 985-4414  
Website: [www.csulb.edu/colleges/chhs/departments/fcs](http://www.csulb.edu/colleges/chhs/departments/fcs)

**Faculty:** Mariné Aghekyan, Michelle Barrack, Lee Blecher, Marie Botkin, Maria Claver, Gail C. Frank, Virginia Gray, Libby Gustin, Young Ha, Hye Jeon Kim, James E. Koval, Peter Kreysa, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Cheryl Rock, Roudi Roy, Myung Hee Sohn, Richard V. Tuveson, Long Wang, Jung-Mao (Ronnie) Yeh

**Program Director:** Lee Blecher

**Baccalaureate Program Coordinator:** Richard V. Tuveson  
**Graduate Coordinator:** Virginia Gray

**Administrative Support Coordinators:**  
Mikal Lok, Marina Bendersky, Andrew Redmayne

**Instructional Support Technician:** Bonnie Rice

## Career Possibilities

Restaurant Manager • Hotel Manager • Catering Director •  
Foodservice Manager in College, University or Corporate  
Setting • Manager in a Bed and Breakfast Facility •  
Healthcare Hospitality Director • School Foodservice Director  
• Club Manager • Manager in Senior Nutrition Programs,  
Stadiums or Amusement Parks • Food Purchaser or Broker.  
(For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

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## Undergraduate Programs

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### Bachelor of Science in Hospitality Management (120 units)

The program is accredited by the Accreditation Commission for Programs in Hospitality Administration.

This program provides a broad-based foundation and includes hands-on practical experience. It prepares students for entry into a multi-ethnic and multi-cultural domestic and international job market.

In addition to general education requirements (48 units), complete a minimum of 40 units from the major department, 24 of which must be upper division. Students transferring from another college or university will receive transfer credit in required courses if the course is equivalent to the course at this university and it is accepted by this university.

#### Requirements

Take all of the following required courses:

ACCT 201 Elementary Financial Accounting (3)  
Prerequisites: None.

CAFF 321 Family and Consumer Resource Management (3)  
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

ECON 101 Principles of Microeconomics (3)

Prerequisites/Corequisites: MATH 103 or higher.

FCS 299 Introduction to FCS (1)

Prerequisites: None.

Not open for credit to students with credit in FCSE 299.

FCS 499 Professionalism and Leadership in FCS (1)

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Not open for credit to students with credit in FCSE 499.

HFHM 170 Introduction to Hospitality Management (3)

Prerequisites: None.

HFHM 173 Applied Foodservice Sanitation (1)

Prerequisites: None.

HFHM 176 Fundamentals of Food Preparation (3)

Prerequisites: None.

HFHM 179 Orientation to the Hospitality Management Major (1)

Prerequisites: Major in Hospitality Management.

HFHM 274 International Hospitality Development (3)

Prerequisites: ENGL 100 or GE Composition (Area A1).

HFHM 276 Food Production and Service in Hospitality Management (3)

Prerequisites: HFHM 173, HFHM 176.

HFHM 277 Cost Control in Hospitality Management (3)

Prerequisites: HFHM 176.

HFHM 370 Exploring a Sustainable Food System (3)

Prerequisites: Completion of the GE Foundation and upper division standing. Students must have scored 11 or higher on the GVAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GVAR Writing Intensive Capstone.

HFHM 371 Human Resources in Hospitality Management (3)

Prerequisites: HFHM 170 and upper division standing; or consent of instructor.

HFHM 372 Hotel and Lodging Management (3)

Prerequisites: HFHM 170.

HFHM 373 Hotel and Restaurant Information Technology (3)

Prerequisites: HFHM 170 or consent of instructor.

HFHM 376 Hospitality Marketing and Service Management (3)

Prerequisites: HFHM 170.

HFHM 378 Legal Issues in Hospitality Management (3)

Prerequisites: Upper division standing or consent of instructor.

HFHM 379 Professional Integration into Hospitality Management (2)

Prerequisites: HFHM 179, Hospitality Management Major.

HFHM 471 Hotel & Lodging Property Management (3)

Prerequisites: HFHM 372 or consent of instructor.

HFHM 476 Hotel and Restaurant Financial Management (3)

Prerequisites: ACCT 201 and HFHM 170.

HFHM 479 Leadership and Strategic Management in Hospitality (3)

Prerequisites: HFHM 371.

HFHM 492J Internship in Hospitality Management (3)

Prerequisites: Student must be a major or minor in Hospitality Management; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Hospitality Management; and HFHM 276 or 372, 379, and 800 hours of approved work experience, or consent of instructor. Each prerequisite course must be completed with a grade of "C" or better.

NUTR 132 Introductory Nutrition (3)

Prerequisites/Corequisites: One Foundation course.

Take 12 units from the following for enhanced depth of knowledge in the industry:

HFHM 374 Meeting Planning in Hotels and Restaurants (3)

Prerequisites: HFHM 170

HFHM 375 Food Production Systems II (3)

Prerequisites: HFHM 276.

HFHM 472 Advanced Hotel Administration (3)

Prerequisites: HFHM 372.

HFHM 473 Beverage Management (3)

Prerequisites: For Hospitality Management majors: HFHM 276, senior standing; Nutrition and Dietetics majors: HFHM 343, senior standing.

HFHM 477 Restaurant and Dining Management (3)

Prerequisites: HFHM 276

FCS 497 Directed Studies (1-3)

Prerequisites: Upper division standing, consent of instructor.

Not open for credit to students with credit in FCSE 497.

Each course on the student's program planner must be completed with a grade of a "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with the approval of the student's faculty advisor.

HFHM 492J requires 800 hours of approved work experience as a prerequisite for this degree. Field study hours in HFHM 379 can be used toward meeting the 800 hours.

## Minor in Hospitality Management

The 19-unit Minor in Hospitality Management is available to any non-Hospitality Management major.

Take all of the following:

HFHM 170 Intro to Hospitality Management (3)

Prerequisites: None.

HFHM 173 Applied Foodservice Sanitation (1)

Prerequisites: None.

Take 15 units selected from the following:

HFHM 176, HFHM 274, HFHM 276 or HFHM 343, HFHM 277, HFHM 371, HFHM 372, HFHM 373, HFHM 374, HFHM 375, HFHM 376, HFHM 378, HFHM 471, HFHM 472, HFHM 473, HFHM 476, HFHM 447 or HFHM 477, HFHM 479, and HFHM 492J.

Students are responsible to adhere to all prerequisites of courses as designated in the catalog. Certain combinations

of classes could require additional units. Please see an advisor for help in making these decisions.

## Minor In Event Planning Management

For requirements, see description in the Recreation and Leisure Studies section of this catalog.

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## Hospitality Management Courses (HFHM)

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### LOWER DIVISION

#### 170. Introduction to Hospitality Management (3)

Introduction to the hospitality industry and historical overview of field. Careers in hospitality management defined. Explore relationship of careers to community and foodservice and hotel/lodging industry. Overview of organization and current forces shaping foodservice and hotel operations.

Not open for credit to students with credit in HFHM 270. (Lecture-discussion 3 hours)

#### 173. Applied Foodservice Sanitation (1)

Principles of sanitation and safety; the causes and controls of food borne illnesses, sanitary practices with purchasing, receiving, storing and preparing food, principles HACCP, sanitary maintenance of kitchen, dining room and equipment, personal hygiene, and safety of the food handler.

Letter grade only (A-F). (Lecture-discussion 1 hour)

#### 176. Fundamentals of Food Preparation (3)

Covers basic scientific principles related to various foods and food preparation methods from the perspective of the restaurant and foodservice industry. Fundamental skills and techniques used for handling and preparing foods to maintain quality and safety are covered.

Letter grade only (A-F). Course fee may be required. (Lecture-discussion 2 hours, laboratory 3 hours).

#### 179. Orientation to the Hospitality Management Major (1)

Prerequisite: Major in Hospitality Management

Provides students with an orientation into the major emphasizing the identification of career goals and the activities and behaviors needed for successful degree completion and transition into the workforce. Resources available on campus are also included.

Letter grade only (A-F). (2 hours activity)

#### 235. Principles of Food Preparation (3)

Application of scientific principles in the preparation of selected food products emphasis on physical and chemical properties of food; methods and techniques of food preparation; factors that contribute to quality of prepared foods.

Letter grade only (A-F). (Lecture-discussion 2 hours, Laboratory 3 hours) Course fee may be required.

#### 274. International Hospitality Development (3)

Prerequisites: ENGL 100 or GE Composition (Area A1).

International hospitality foodservice and hotel management. Issues and problems in the hotel and restaurant industry from a global perspective. Dynamics of human interaction in a multi-ethnic and multi-cultural global job market.

(Discussion 3 hours)

**275. Food Production Systems I (3)**

Prerequisites: NUTR 132 and HFHM 235.

Factors which influence individual, family and quantity foodservice. Menu planning and food selection, preparation and service in relation to management of time, energy and money. Foodservice practices for regular meals and special occasions.

Course fee may be required. (Lecture-discussion 2 hours, lab 3 hours)

**276. Food Production and Service in Hospitality Management (3)**

Prerequisites: HFHM 173, HFHM 176 or HFHM 235.

Fundamentals of planning, organizing, preparing, and serving of meals as applicable to the hospitality industry. Preparations relative to provision of quality food and beverage services included.

Letter grade only (A-F). Course fee may be required. (Lecture-discussion 2 hours, laboratory 3 hours)

**277. Cost Control in Hospitality Management (3)**

Prerequisites: HFHM 176

Financial management of food, labor, supplies, and other operational costs; procedures for controlling purchasing, receiving, storing, and issuing of food, beverage, and supplies; inventory and security management; computer applications; and analysis of financial reports.

Letter grade only (A-F). Not open to students with credit in HFHM 474. (Lecture - discussion 3 hours)

**UPPER DIVISION****343. Food Production Systems for Nutrition and Dietetics Professionals (3)**

Prerequisites: HFHM 176 and NUTR 132.

Explores components of food production systems including menu writing, standard recipe adjustments, purchasing, receiving, storage and inventory control, sanitation and safety, food production planning, and meal delivery and service.

Letter grade only (A-F).

**345. Foodservice Operations for Nutrition and Dietetics Professionals (2)**

Prerequisites: HFHM 343, CA Food Handler's card valid for at least one year.

Students observe and experience quantity style food production and apply principles of menu planning, purchasing, costing, recipe development, service, and sanitation and safety. Facility design, equipment, and resource conservation are included.

Letter grade only (A-F). (1 hour seminar and 3 hours lab) Course fee may be required.

**370. Exploring a Sustainable Food System (3)**

Prerequisites: Completion of the GE Foundation and upper division. Students must have scored 11 or higher on the GWAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GWAR Writing Intensive Capstone.

An interdisciplinary service-learning writing intensive course that addresses sustainability in the food industry through the study of environmental science and environmental sociology.

Letter grade only (A-F). (20 hours of service learning.)

**371. Human Resources in Hospitality Management (3)**

Prerequisites: HFHM 170 and upper division standing; or consent of instructor.

Application of human resources management in the hospitality industries. Includes recruitment, selection, training and development, organizing a workforce, supervision, performance leadership, workplace safety, labor relations, and related legal issues.

Letter grade only (A-F).

**372. Hotel and Lodging Management (3)**

Prerequisite: HFHM 170.

Organization and management of hotel and lodging facilities. Covers functions of various operational departments and how they interrelate. Importance of assuring quality guest service emphasized.

Fieldtrips may be required. (Lecture - discussion 3 hours)

**373. Hotel and Restaurant Information Technology (3)**

Prerequisites: HFHM 170 or consent of instructor.

Management of information systems found in hotel & restaurant industry. Includes applications of technology and computer systems facilitating front office, sales and marketing management, restaurant management, customer service, and communications in hotel and restaurant operations.

Letter grade only (A-F). (Lecture activity 3 hours)

**374. Meeting Planning in Hotels and Restaurants (3)**

Prerequisites: HFHM 170.

Planning, organizing, and implementing meetings in the hotel and restaurant industry. Factors necessary to provide food, lodging, and facility services for meetings and special functions are included.

Letter grade only (A-F). (Lecture/Discussion 3 hours)

**375. Food Production Systems II (3)**

Prerequisite: HFHM 276

Quantity food operations utilized providing production and operational experiences: menu planning, costing, standardizing recipes, serving, merchandising, sanitation and safety. Commercial and non-commercial settings are used.

Letter grade only (A-F). (Lecture-discussion 2 hours, Lab 3 hours)

**376. Hospitality Marketing and Service Management (3)**

Prerequisites: HFHM 170.

Application of marketing principles, methods and techniques to the hospitality service product. Components of customer service management, guest behavior, market research, promotion and marketing strategies are discussed.

Letter grade only (A-F). Fieldtrips and off-campus activities required. (Lecture-activity 3 hours)

**378. Legal Issues in Hospitality Management (3)**

Prerequisite: Upper division standing or consent of instructor.

Examine evolving laws of foodservice and lodging both historically and as they exist today.

(Lecture discussion 3 hours)

**379. Professional Integration Into Hospitality Management (2)**

Prerequisites: HFHM 179, Hospitality Management Major

Provides students with an opportunity to integrate into the professional work environment through field experience, exposure to industry professionals, and participation in directed activities to enhance career development and success.

Letter grade only (A-F). May be repeated to a maximum of 6 units. (Seminar 1-3 hours)

**447. Foodservice Administration for Nutrition and Dietetics Professionals (3)**

Prerequisites: HFHM 343.

Explore principles of organization, administration, and leadership in commercial and non-commercial foodservice operations. Topics include organizational management, human resource management, productivity, marketing, financial management, and quality assurance as applied to the foodservice industry.

Letter grade only (A-F).

**471. Hotel and Lodging Property Management (3)**

Prerequisites: HFHM 372 or consent of instructor.

Management principles and practices applied to maintenance of hotel and lodging facilities. Strategies for maintaining hotels to ensure customer safety and satisfaction are included.

Letter grade only (A-F). (Lecture activity 3 hour) Field trips required.

**472. Advanced Hotel Administration (3)**

Prerequisites: HFHM 372.

Principles of organization, administration, and leadership in hotel and lodging operations. Topics include organizational management, human resource management, productivity, marketing, financial management, and quality service management.

Letter grade only (A-F). (Lecture activity 3 hour) Field trips required.

**473. Beverage Management (3)**

Prerequisites: For Hospitality Management majors: HFHM 276, senior standing; Nutrition and Dietetics majors: HFHM 343, senior standing.

Overview of the beverage industry. Identification, use, and service of wines and other alcoholic and non-alcoholic beverages, with an in-depth analysis of the various elements of beverage operations including purchasing, control, merchandising, and bar management.

Field trips required. (Discussion 3 hours)

**476. Hotel and Restaurant Financial Management (3)**

Prerequisites: ACCT 201 and HFHM 170.

Managerial and financial analysis of numerical data and reports used for planning, controlling, and decision making in the hotel and restaurant industry. Topics include ratio analysis, internal control, sales, revenue and cost management, cash control, budgeting, and feasibility studies as applied to the hotel and restaurant operations.

Letter grade only (A-F). (Lecture Activity 3 hours).

**477. Restaurant and Dining Management (3)**

Prerequisite: HFHM 276

Explore organization and administration in commercial and non-commercial foodservice operations. Includes food purchasing, receiving, storage, inventory control, marketing, organizational management, human resource management, productivity, financial management, and quality management.

Letter grade only (A-F). Fieldtrips required. (Discussion 3 hours)

**479. Leadership and Strategic Management in Hospitality (3)**

Prerequisites: HFHM 371.

Explore principles of organization, administration, and leadership in the hospitality industry. Topics include leadership, organizational theory, strategic management, team building, motivation, communication, and quality improvement as applied to the hospitality industry.

Letter grade only (A-F).

**492J. Internship in Hospitality Management (3)**

Prerequisites: Student must be a major or minor in Hospitality Management; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Hospitality Management; and HFHM 276 or 372, 379, and 800 hours of approved work experience, or consent of instructor. Each prerequisite course must be completed with a grade of "C" or better.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.

Letter grade only (A-F). May be repeated for 6 units maximum. (Seminar 3 hours)



# KINESIOLOGY

College of Health and Human Services

**Department Chair:** Sharon R. Guthrie

**Department Office:** Health and Human Services (HHS) 2, Rm. 105  
Telephone: (562) 985-4051  
Website: <http://www.csulb.edu/colleges/chhs/departments/kin/>

**Faculty:** James Becker, D. Margaret Costa, Jill A. Crussemeyer, James A. Davis, Keith W. Freeseemann, Christine Galvan, Sharon R. Guthrie, Grant M. Hill, Kerrie Kauer, Jeff L. Kress, Barry W. Lavay, Mikiko Nakajima, Clayre K. Petray, Ralph Rozenek, Jan M. Schroeder, Tiffanye Vargas, Emyr W. Williams, Alison M. Wrynn, Will Wu, Douglas E. Young

**Department Coordinator:** Stacia Ticer

## Career Possibilities

**Allied Health Professions Programs:** Certified Athletic Trainer • Educator/Professor • Researcher • Certified Kinesiotherapist

**Exercise Science and Fitness:** Strength and Conditioning Coach • Educator/Professor • Researcher • Exercise Technician • Fitness Specialist • Exercise Physiologist • Exercise Specialist

**Physical Education Teacher Education (PETE):** Physical Educator • Adapted Physical Education Specialist • Sport Coach • High School Athletic Administrator • Educator/Professor • Researcher

**Sport Studies:** Sport Coach • Educator/Professor • Researcher • Mental Training Consultant/Sport Psychologist • Sport Manager • College Athletic Administrator  
(For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).) Various entry-level trainee positions are available for graduates, regardless of academic discipline.

## Introduction

The mission of the Department of Kinesiology is to facilitate wellness among individuals through the study and application of human movement principles across the lifespan and through the management of and participation in physical activity, exercise, and sport. The Department serves the needs of students completing majors in other fields who find that certain aspects of kinesiology are important to professional objectives and personal interests.

## Programs at a Glance

- Bachelor of Arts in Kinesiology in two options
- Bachelor of Science in Kinesiology in three options
- Bachelor of Science in Athletic Training
- Master of Arts in Kinesiology in five options
- Master of Science in Kinesiology in four options
- Single Subject Teaching Credential in Physical Education (K-12)
- Single Subject Teaching Authorization in Adapted Physical Education (K-12)
- Wilderness Studies Certificate

In addition to the degree requirements for the Bachelor of Arts in Kinesiology and the Bachelor of Science in Kinesiology, the Major must meet the following Department policies and requirements for University graduation:

1. Each major course and prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than a "C" is received must be retaken and successfully completed prior to enrolling in any other course for which it is a prerequisite;
2. Upper-division courses may not be waived by substitution or examination without Department petition and approval;
3. Department approval.

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## Undergraduate Programs

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### Bachelor of Arts in Kinesiology

This program has been discontinued.

### Single Subject Teaching Credential in Physical Education (K-12)

In addition to meeting the subject matter competence requirement for the Teaching Credential, prospective Physical Education teachers are also required to complete 45 units of professional preparation in the Single Subject Credential Program, including student teaching. Students may begin the professional preparation courses as early as the junior year. With careful planning, it is possible to complete all of the credential program courses, except for student teaching, as an undergraduate. Courses may also be completed as a post-baccalaureate student. Refer to the Single Subject Teacher Education section of this catalog or the Single Subject Credential Program website ([www.ced.csulb.edu/single-subject](http://www.ced.csulb.edu/single-subject)) for a description of the professional preparation requirements, courses, and application procedures.

### Adapted Physical Education Specialist Teaching Authorization

This program is designed for students interested in the administration and implementation of physical activity programs for persons with disabilities in K-12 schools. Completion of this program results in the Adapted Physical Education added authorization for holders of a current Single Subject, Multiple Subject, or Education Specialist basic teaching credential.

### Requirements

1. Bachelor's degree;
2. Concurrent enrollment in or completion of the Single Subject Physical Education teaching credential program or the Multiple Subject or Education Specialist teaching credential program;
3. Take the following courses:
  - KIN 320 Adapted Physical Education (3)  
Prerequisites: BIOL 208.
  - KIN 387 Physical Activities for the Disabled (3)  
Prerequisites: KIN 320.
  - KIN 388 Program Planning and Instruction in Adapted Physical Education (3)  
Prerequisites: KIN 387.

KIN 427 Physical and Motor Assessment (3)  
Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent; upper-division undergraduate or graduate standing; consent of instructor required for graduate students prior to registration.

KIN 489A Field Work in Physical Activity Settings (3)  
Prerequisites: Completion of Kinesiology course requirements for the major option in which field work is taken.

EDSP 350 Education of Exceptional Individuals (3)  
Prerequisites: None.

Select two courses from the following:

ED P 405; EDSP 577, EDSP 578; KIN 526; ASLD 101.

## Bachelor of Science in Kinesiology

Students pursuing the Bachelor of Science degree in Kinesiology must complete the course requirements and the physical fitness proficiency of each Option. Students may select their area of specialization from the options.

### Option in Exercise Science (120 units)

#### Admission Under Impaction

Refer to the following website for additional impaction criteria: [http://www.csulb.edu/depts/enrollment/admissions/impacted\\_major.html](http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html).

#### Requirements

Core:

Take all of the following courses:

KIN 201 Introduction to Kinesiology (3)  
Prerequisites: None

KIN 300 Biomechanics of Human Movement (3)  
Prerequisites: BIOL 208 or equivalent 4-unit Human Anatomy course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite(s): KIN 201.

KIN 301 Exercise Physiology (3)  
Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite: KIN 201

KIN 312 Motor Control and Learning (3)  
Prerequisites: BIOL 207, BIOL 208 and PSY 100 with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite(s): KIN 201 applies to Kinesiology majors.

KIN 332 Sociocultural Dimensions of Sport/Human Movement (3)  
Prerequisite(s)/Corequisite(s): KIN 201; for KIN students only.

Lower Division:

Take all of the following courses:

MATH 113 (or higher) Precalculus Algebra (3)

\* C or better  
Prerequisites: Appropriate ELM score, ELM exemption or MAPB11.

CHEM 111A General Chemistry (5)

\* C or better  
Prerequisites: A passing score on the Chemistry Placement Examination.  
Corequisite: MATH 109 or higher.

CHEM 111B General Chemistry (5)  
Prerequisites: CHEM 111A and MATH 113 or MATH 115 or MATH 117 or MATH 119A or MATH 122 all with a grade of

"C" or better.

KIN 263 Techniques in Physical Fitness (2)  
Prerequisites: None.

BIOL 207 Human Physiology (4)

\* C or better  
Prerequisites: GE Foundation requirements.

BIOL 208 Human Anatomy (4)

\* C or better  
Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

PHYS 100A General Physics (4)

\* C or better  
Prerequisites: MATH 109 or MATH 113 or MATH 119A or MATH 120 or MATH 122.

PHYS 100B General Physics (4)  
Prerequisites: PHYS 100A.

PSY 100 General Psychology (3)

\* C or better  
Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

Upper Division:

Take all of the following courses:

KIN 405 Cardiopulmonary Aspects of Health Related Exercise Programs (4)  
Prerequisites: KIN 210 or current First Aid and CPR certificates, KIN 301.

KIN 441 Applied Biomechanics: Lifting and Work Capacity (3)  
Prerequisites: KIN 300 or equivalent (Trigonometry and PHYS 100A recommended).

Take one of the following courses:

KIN 430 Motor Control Principles and Theory (3)  
Prerequisites: KIN 312 or equivalent.

KIN 431 Scientific Foundations of Locomotion (3)  
Prerequisites: KIN 300, KIN 312.

Take one of the following courses:

KIN 483 Statistics in Human Movement Science (3)  
Prerequisites: KIN 300, KIN 301, KIN 312.

BIOL 260 Biostatistics (3)  
Prerequisites: BIOL 201 or BIOL 207 or BIOL 211 or MICR 200; MATH 111 or MATH 113 or MATH 119A or MATH 122 all with a grade of "C" or better.

Take three of the following courses:

KIN 339, KIN 462, KIN 465, KIN 466, KIN 432.

Take 12 units (minimum 3 units from KIN) of elective courses from the following:

BIOL 200, BIOL 201, BIOL 211, BIOL 212, BIOL 213 (BIOL 111 and BIOL 111L, BIOL 212 and BIOL 212L, BIOL 213 and BIOL 213L if courses taken prior to this catalog year), BIOL 301, BIOL 311, BIOL 340, BIOL 341, BIOL 342 and BIOL 342L, BIOL 345, BIOL 441, BIOL 443, BIOL 445; CHEM 227, CHEM 448; NUTR 132, NUTR 331, NUTR 439; H SC 150; KIN 315, KIN 320, KIN 339\*, KIN 364, KIN 367, KIN 430\*, KIN 431\*, KIN 432\*, KIN 462\*, KIN 465\*, KIN 466\*, KIN 494, KIN 495, KIN 497; PSY 327, PSY 370.

A fieldwork, field experience, or internship requires current certification in First Aid (American Red Cross: Community First Aid & Safety or Emergency Response or Workplace Training: Standard First Aid or equivalent) and

Cardiopulmonary Resuscitation (American Red Cross: Adult CPR or Adult, Infant & Child CPR or CPR for the Professional Rescuer; American Heart Association: Adult CPR or Adult, Infant & Child CPR or ACLS Provider or equivalent) prior to enrollment.

### Option in Fitness (120 units)

#### Admission Under Impaction

Fitness is an impacted option. Refer to the following website for additional impaction criteria: [http://www.csulb.edu/depts/enrollment/admissions/impacted\\_major.html](http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html).

#### Requirements

##### Core Courses:

Take all of the following courses:

KIN 201 Introduction to Kinesiology (3)  
Prerequisites: None

KIN 300 Biomechanics of Human Movement (3)  
Prerequisites: BIOL 208 or equivalent 4-unit Human Anatomy course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite(s): KIN 201.

KIN 301 Exercise Physiology (3)  
Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite: KIN 201

KIN 312 Motor Control and Learning (3)  
Prerequisites: BIOL 207, BIOL 208 and PSY 100 with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite(s): KIN 201 applies to Kinesiology majors.

KIN 332 Sociocultural Dimensions of Sport/Human Movement (3)  
Prerequisite(s)/Corequisite(s): KIN 201; for KIN students only.

##### Lower Division:

Take one of the following courses:

STAT 108 Statistics for Everyday Life (3)

\* C or better  
Prerequisites: None

PSY 110 Introductory Statistics (4)

\* C or better  
Prerequisites: Eligible to take a General Education Mathematics course.

Take all of the following courses:

NUTR 132 Introductory Nutrition (3)

\* C or better  
Prerequisites/Corequisites: One Foundation course.

PSY 100 General Psychology (3)

\* C or better  
Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

KIN 218 Professional Development in the Fitness Industry (2)  
Prerequisites: None.

KIN 263 Techniques of Physical Fitness (2)  
Prerequisites: None.

BIOL 207 Human Physiology (4)

\* C or better

Prerequisites: GE Foundation requirements.

BIOL 208 Human Anatomy (4)

\* C or better

Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

##### Physical Activity Courses:

Take a minimum of 7 units selected from different classes chosen from the following:

KIN 100A, KIN 102A, KIN 104A, KIN 106A, KIN 107A, KIN 108A, KIN 109A, KIN 112A, KIN 114A, KIN 114B, KIN 114C, KIN 121A, KIN 124A, KIN 125A, KIN 126A, KIN 127A, KIN 142, KIN 145A, KIN 146A, KIN 148A, KIN 149A, KIN 151A, KIN 152A, KIN 161A, KIN 162A, KIN 165A, KIN 166, KIN 167A, KIN 168A, KIN 169A, KIN 172A, KIN 172B, KIN 172C, KIN 183A, KIN 185, KIN 189, KIN 198F, KIN 198G, KIN 198H, KIN 198J, KIN 242, KIN 243A, KIN 243C, KIN 244, KIN 245A, KIN 246A, KIN 247A, KIN 250, KIN 251, KIN 253, KIN 255, KIN 257, KIN 264, KIN 265, KIN 266, KIN 267, KIN 268.

##### Upper Division:

KIN 339 Psychology of Sport Behavior and Athletic Performance (3)

Prerequisites: GE Foundation requirements, PSY 100, and upper-division standing.

KIN 363 Theory and Analysis of Group Fitness Instruction (2)

Prerequisites: KIN 263.

KIN 364 Fitness for Adult Populations with Unique Health Considerations (3)

Prerequisites: KIN 301.

KIN 367 Fitness and the Aging Process (3)

Prerequisites: Fitness Option: KIN 218 and KIN 301; KIN Exercise Science Option: KIN 301; or consent of instructor.

KIN 368 Resistance Training for Fitness (3)

Prerequisite(s): Prerequisites: KIN 300 and KIN 301. Open to Fitness Option students in Kinesiology or consent of instructor.

KIN 467 Fundamentals of Personal Training (3)

Prerequisites: KIN 368. Open to Fitness Option students in Kinesiology only, or consent of instructor.

KIN 468 Nutrition for Exercise and Performance (3)

Prerequisites: NUTR 132, KIN 301.

KIN 469 Fitness Management (3)

Prerequisites: KIN 363, KIN 368.

KIN 478 Psychological Aspects of Exercise and Fitness (3)

Prerequisites: KIN 339. Open to Fitness and Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

KIN 489D Fieldwork in Fitness (3)

Prerequisites: Completion of Kinesiology course requirement for the major option in which the field work is taken. KIN 467, completion of 200 hours in a corporate fitness setting, 200 hours in a traditional fitness setting and 100 hours of approved fitness experience.

Take six units of elective courses from the following:

ATEP 207, ATEP 309; NUTR 439; HSC 421, HSC 423, HSC 427; KIN 315, KIN 335, KIN 462, KIN 487; REC 421, REC 423, REC 425, REC 427.

A fieldwork, field experience, or internship requires current certification in First Aid (American Red Cross: Community First Aid & Safety or Emergency Response or Workplace Training: Standard First Aid or equivalent)

and Cardiopulmonary Resuscitation (American Red Cross: Adult CPR or Adult, Infant & Child CPR or CPR for the Professional Rescuer; American Heart Association: Adult CPR or Adult, Infant & Child CPR or ACLS Provider or equivalent) prior to enrollment.

## Option in Sport Psychology and Leadership (120 units)

This option has two concentrations - one in Sport Psychology and one in Leadership. The course work for both concentrations is the same except for the activity courses and the elective courses. The option is designed for students interested in careers in: 1) sport psychology; and 2) coaching outside the public school system (K-12), e.g., sport management/leadership; coaching professional athletes, coaching youth-sport athletes, and coaching in sport academies.

### Admission Under Impaction

Sport Psychology & Leadership is an impacted option. Refer to the following website for additional impaction criteria: [http://www.csulb.edu/depts/enrollment/admissions/impacted\\_major.html](http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html).

### Requirements

Core:

Take all of the following courses:

KIN 201 Introduction to Kinesiology (3)  
Prerequisites: None

KIN 300 Biomechanics of Human Movement (3)  
Prerequisites: BIOL 208 or equivalent 4-unit Human Anatomy course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite(s): KIN 201.

KIN 301 Exercise Physiology (3)  
Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite: KIN 201

KIN 312 Motor Control and Learning (3)  
Prerequisites: BIOL 207, BIOL 208 and PSY 100 with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite(s): KIN 201 applies to Kinesiology majors.

KIN 332 Sociocultural Dimensions of Sport/Human Movement (3)  
Prerequisite(s)/Corequisite(s): KIN 201; for KIN students only.

Lower Division:

Take all of the following courses:

BIOL 207 Human Physiology (4)

\* C or better  
Prerequisites: GE Foundation requirements.

BIOL 208 Human Anatomy (4)

\* C or better  
Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

NUTR 132 Introductory Nutrition (3)

\* C or better  
Prerequisites/Corequisites: One Foundation course.

KIN 263 Techniques of Physical Fitness (2)

Prerequisites: None.

PSY 100 General Psychology (3)

\* C or better

Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

STAT 108 Statistics for Everyday Life (3)

\* C or better

Prerequisites: None

Take three activity units selected from the following:

KIN 100A, KIN 102A, KIN 104A, KIN 106A, KIN 107A, KIN 108A, KIN 112A, KIN 114A, KIN 114B, KIN 114C, KIN 121A, KIN 124A, KIN 125A, KIN 126A, KIN 127A, KIN 142, KIN 145A, KIN 146A, KIN 148A, KIN 149A, KIN 151A, KIN 152A, KIN 161A, KIN 162A, KIN 165A, KIN 166, KIN 167A, KIN 169A, KIN 172A, KIN 172B, KIN 172C, KIN 183A, KIN 185, KIN 189, KIN 242, KIN 243A, KIN 243C, KIN 244, KIN 245A, KIN 246A, KIN 247A, KIN 250, KIN 253, KIN 255, KIN 257, KIN 264, KIN 265, KIN 266, KIN 267, KIN 268.

Upper Division:

Take all of the following courses:

KIN 335 Historical and Cultural Foundations of Sport and Kinesiology in America (3)  
Prerequisites: Upper division standing.

KIN 338 Women in Sport (3)  
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper-division standing.

KIN 339 Psychology of Sport Behavior and Athletic Performance (3)  
Prerequisites: GE Foundation requirements, PSY 100, and upper-division standing.

KIN 472 Applied Sport and Exercise Psychology (3)  
Prerequisites: KIN 339. Open to Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

KIN 475 Psychology of Coaching (3)  
Prerequisites: KIN 339. Open to Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

KIN 478 Psychological Aspects of Exercise and Fitness (3)  
Prerequisites: KIN 339. Open to Fitness and Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

PSY 356 Personality (3)  
Prerequisites: PSY 100.

*Concentration in Sport Psychology*

Elective Courses:

Select 12 units (minimum 3 units from KIN and 6 units from PSY). At least 7 units must be upper division) from the following courses:  
ANTH 353, ANTH 412, H SC 427; KIN 156, KIN 210, KIN 315, KIN 489B, KIN 497; PSY 220, PSY 241, PSY 301, PSY 332, PSY 333, PSY 336, PSY 351, PSY 370, PSY 373, PSY 378, PSY 453, PSY 475.

*Concentration in Leadership*

Elective Courses:

Select 12 units (Minimum 3 units from KIN. At least 7 units must be upper division) from the following courses:  
ANTH 353, ANTH 412; CBA 400; COMM 306, COMM 335, COMM 411; H SC 427; KIN 156, KIN 200, KIN 210, KIN 489B, KIN 497; REC 321, REC 322, REC 324, REC 3401, REC 427; PSY 351, PSY 453.

A fieldwork, field experience, or internship requires current certification in First Aid (American Red Cross: Community First Aid & Safety or Emergency Response or Workplace Training: Standard First Aid or equivalent) and Cardiopulmonary Resuscitation (American Red Cross: Adult CPR or Adult, Infant & Child CPR or CPR for the Professional Rescuer; American Heart Association: Adult CPR or Adult, Infant & Child CPR or ACLS Provider or equivalent) prior to enrollment.

This degree option has been deemed "similar" to the Transfer Model Curriculum for Kinesiology under the Student Transfer Agreement Reform Act (SB 1440-Padilla). Students who complete an approved A.A.-T or A.S.-T degree in Kinesiology at a California Community College can meet B.S. in Kinesiology: Option in Sport Psychology and Leadership (KPE\_BS04) requirements with no more than 60 additional units. Contact a Kinesiology faculty advisor for assistance in program planning.

### Option in Physical Education-Teacher Education (120)

The Physical Education-Teacher Education (PETE) option places emphasis on teaching public school Physical Education (PE) to students with and without disabilities in preschool through grade 12 and includes concentrations in Adapted Physical Education (APE) and Physical Education K-12 (PE K-12). Prospective students should consult with the department's Single Subject Physical Education Advisor and/or Adapted Physical Education Advisor early to plan their program.

#### Requirements

##### Core

Take all of the following courses

KIN 201 Introduction to Kinesiology (3)  
Prerequisite: None

KIN 300 Biomechanics of Human Movement (3)  
Prerequisites: BIOL 208 or equivalent 4-unit Human Anatomy course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only. Corequisite(s): KIN 201.

KIN 301 Exercise Physiology (3)  
Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite: KIN 201

KIN 312 Motor control and Learning (3)  
Prerequisites: BIOL 207, BIOL 208; PSY 100 or equivalent. Open to Kinesiology and Dance Science majors only.  
Corequisite(s): KIN 201 applies to Kinesiology majors.

KIN 332 Sociocultural Dimensions of Sport/Human Movement (3)  
Prerequisite(s)/Corequisite(s): KIN 201; for KIN students only.

##### Pedagogy Core Courses

Take all of the following courses:

BIOL 208 Human Anatomy or HHS 401 (4)  
Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

BIOL 207 Human Physiology (4)  
Prerequisites: GE Foundation requirements.

PSY 100 General Psychology (3)  
Prerequisite/Corequisite: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100S, ASAM 100S, CHLS 104S, ENGL 100S or ALI 150 or equivalent.

KIN 149A Self-Defense (1)  
Prerequisite: None

KIN 237 Techniques and Analysis of Aquatic Skills (2)  
Prerequisites: American Red Cross Community First Aid and CPR certification or equivalent. Open to Kinesiology majors in the Adapted Physical Education and K-12 Physical Education teacher education option only. To maintain enrollment, students must pass the swimming proficiency examination that will be administered the first week of instruction.

KIN 250 Techniques of Basketball (1)  
Prerequisite: None

KIN 251 Techniques of Flag Football (1)  
Prerequisite: None

KIN 253 Techniques of Soccer (1)  
Prerequisite: None

KIN 255 Techniques of Softball (1)  
Prerequisite: None

KIN 257 Techniques of Volleyball (1)  
Prerequisite: None

KIN 261 Techniques and Analysis of Fundamental Rhythms (2)  
Prerequisite: None

KIN 264 Techniques of Golf (1)  
Prerequisite: None

KIN 265 Techniques of Gymnastics (1)  
Prerequisite: None

KIN 266 Techniques of Badminton (1)  
Prerequisite: None

KIN 267 Techniques of Tennis (1)  
Prerequisite: None

KIN 268 Techniques of Track and Field (1)  
Prerequisite: None

KIN 270 Professional Practices in Public School Physical Education (3)  
Prerequisite: Students must meet the University GE writing course requirement.  
Corequisite: Community CPR/First Aid/Safety or current certification.

KIN 315 Motor Development (3)  
Prerequisites: BIOL 207, BIOL 208; PSY 100 or equivalent.

KIN 320 Adapted Physical Education (3)  
Prerequisites: BIOL 208.

KIN 343 Techniques and Analysis of Fitness (2)  
Prerequisite: KIN 270.

KIN 370 Movement Theory and Practice of Elementary Physical Education (3)  
Prerequisite: KIN 270.

KIN 380 Principles, Organization and Management of Secondary School Physical Education (3)  
Prerequisites: KIN 149A, KIN 237, KIN 250, KIN 251, KIN 253, KIN 255, KIN 257, KIN 261, KIN 264, KIN 265, KIN 266, KIN 267, KIN 268, KIN 270, KIN 343, KIN 370 or consent of instructor. Suggest concurrent enrollment in EDSS 300P (single subject credential course).

KIN 460 Applied Theory and Analysis of Non-Traditional Physical Education Games and Activities (2)  
Prerequisites: KIN 370, senior standing.

##### Concentration Courses

Complete one of the following two concentration areas:

#### Concentration in Adapted Physical Education Concentration (9 units)

Take all of the following courses:

KIN 387 Physical Activities for the Disabled (3)  
Prerequisites: KIN 320.

KIN 388 Program Planning and Instruction in Adapted Physical Education (3)  
Prerequisite: KIN 387.

KIN 427 Physical and Motor Assessment (3)  
Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent; upper-division undergraduate or graduate standing; consent of instructor required for graduate students prior to registration.

#### Concentration in k-12 Physical Education (9 units)

Take all of the following courses:

KIN 457 Applied Theory of Teaching Team Sports (3)  
Prerequisites: KIN 250, KIN 251, KIN 253, KIN 255, KIN 257, KIN 270 or consent of instructor; senior standing.

KIN 461 Applied Theory of Teaching Individual and Dual Sports (3)  
Prerequisites: KIN 237, KIN 264, KIN 265, KIN 266, KIN 267, KIN 268, KIN 270, or consent of instructor; senior standing.

KIN 477 Measurement and Curriculum in Physical Education (3).  
Prerequisite: KIN 343 and KIN 370 or consent of instructor.

## Bachelor of Science in Athletic Training (120 units)

The Department of Kinesiology offers the Bachelor of Science in Athletic Training degree through the Athletic Training Program (AT Program). The AT Program is nationally accredited by the Commission on the Accreditation of Athletic Training Education (CAATE). Athletic Training is recognized by the American Medical Association (AMA) as a healthcare profession.

Athletic Training is practiced by Athletic Trainers (ATs), health care professionals who collaborate with physicians to optimize activity and participation of patients and clients. The services provided by ATs comprise prevention, emergency care, clinical diagnosis, therapeutic intervention and rehabilitation of injuries and medical conditions involving impairment, functional limitations, and disabilities. Students who want to become certified athletic trainers must earn a degree from an accredited athletic training curriculum. Accredited programs include formal instruction in areas such as injury/illness prevention, first aid and emergency care, assessment of injury/illness, human anatomy and physiology, therapeutic modalities, and nutrition.

For additional information please refer to the following website: <http://www.nata.org/athletic-training>.

The AT Program is designed for the athletic trainer's professional preparation based on the development of current knowledge, skills, and abilities in content areas such as evidence-based practice, prevention and health promotion, clinical examination and diagnosis, acute care of injury and illness, therapeutic interventions, psychosocial strategies and referral, healthcare administration, and professional development and responsibility. Classroom

learning is enhanced through clinical education experiences. Upon successful completion of all the AT Program requirements and Program Director approval, students are eligible to take the Board of Certification (BOC) examination to become a certified athletic trainer (ATC).

Professional careers in athletic training include professional sports, colleges & universities, secondary schools, hospital & clinical, /occupational health, military, performing arts, physician extender, and public safety.

### Admission Under Impaction

The Bachelor of Science in Athletic Training is a highly impacted major and requires a program application in addition to the CSULB admission application. Admission to CSULB does not guarantee admission into the Athletic Training major.

Refer to the following website for additional impaction criteria: [http://www.csulb.edu/depts/enrollment/admissions/impacted\\_major.html](http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html).

### Athletic Training Education Program Website

Refer to the following website for the most current AT Program information, program application packet, and additional resources: <http://www.csulb.edu/colleges/chhs/departments/kin/athletic-training/index.html>

### Requirements

Core:

Take all of the following courses:

KIN 201 Introduction to Kinesiology (3)  
Prerequisites: None

KIN 300 Biomechanics of Human Movement (3)  
Prerequisites: BIOL 208 or equivalent 4-unit Human Anatomy course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only. Corequisite(s): KIN 201.

KIN 301 Exercise Physiology (3)  
Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite: KIN 201

KIN 312 Motor Control and Learning (3)  
Prerequisites: BIOL 207, BIOL 208 and PSY 100 with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.  
Corequisite(s): KIN 201 applies to Kinesiology majors.

KIN 332 Sociocultural Dimensions of Sport/Human Movement (3)  
Prerequisite(s)/Corequisite(s): KIN 201; for KIN students only.

Lower Division:

Take one of the following courses:

MATH 109 Modeling with Algebra (3)  
\* C or better  
Prerequisite: Appropriate ELM score, ELM exemption, or MAPB 7 or 11.

MATH 113 Precalculus Algebra (3)  
\* C or better  
Prerequisite: Appropriate ELM score, ELM exemption, or MAPB 11.

MATH 119A Survey of Calculus I (3)  
\* C or better  
Prerequisite: Appropriate MDPT placement or a grade of "C" or better in MATH 113.

MATH 122 Calculus I (4)  
\* C or better

Prerequisite: Appropriate MDPT placement or a grade of "C" or better in MATH 111 and 113.

Take all of the following courses:

ATEP 207 Prevention and Care of Athletic Injuries (3)

\*\*C" or better required.

Prerequisites: Current certification in CPR, AED, and First Aid. Certification must include Adult, Child, and Infant CPR; Conscious and Unconscious Choking for victims of all ages; Automated External Defibrillator (AED), and Basic First Aid. Corequisite: KIN 201

KIN 263 Techniques in Physical Fitness (2)

Prerequisites: None.

BIOL 207 Human Physiology (4)

\*\*C" or better required.

Prerequisites: GE Foundation requirements.

BIOL 208 Human Anatomy (4)

\* C or better

Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

NUTR 132 Introductory Nutrition (3)

\* C or better

Prerequisites/Corequisites: One Foundation course.

PHYS 100A General Physics (4)

\* C or better

Prerequisites: MATH 109 or MATH 113 or MATH 119A or MATH 122.

PSY 100 General Psychology (3)

\* C or better

Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

Take one of the following courses:

BIOL 260 Biostatistics (3)

Prerequisites: BIOL 201 or BIOL 207 or BIOL 211 or MICR 200; MATH 111 or MATH 113 or MATH 119A or MATH 122 all with a grade of "C" or better.

KIN 483 Statistics in Human Movement Science (3)

Prerequisites: KIN 300, KIN 301, KIN 312.

PSY 110 Introductory Statistics (4)

Prerequisites: Eligible to take a General Education Mathematics course.

STAT 108 Statistics for Everyday Life (3)

Prerequisites: Appropriate ELM score, ELM exemption, or MAPB 7 or MAPB 11 or MAPB 12. Upper Division.

Take all of the following courses:

ATEP 304 Clinical Aspects of Athletic Training (3)

Prerequisites: Admission to the Athletic Training program and consent of instructor.

ATEP 306 Medical Aspects of Athletic Training (3)

Prerequisites: ATEP 490B.

ATEP 308A Athletic Training Evaluation I (3)

Prerequisite(s): ATEP 304.

ATEP 308B Athletic Training Evaluation II (3)

Prerequisites: ATEP 308A.

ATEP 309 Developmental and Therapeutic Exercise (3)

Prerequisites: KIN 300, KIN 301 or consent of instructor.

ATEP 310 Therapeutic Approaches in Athletic Training (3)

Prerequisite(s): ATEP 304.

ATEP 407 Management Strategies in Athletic Training (3)

Prerequisite(s): ATEP 490B.

ATEP 490A Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 304; satisfactory completion of CSULB Athletic Training Program Health and Safety requirements; and satisfactory completion of CSULB Athletic Training Program Technical Standards Form.

ATEP 490B Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 490A.

ATEP 490C Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 490B.

ATEP 490D Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 490C.

ATEP 491 Seminar in Athletic Training (1)

Prerequisite: Consent of instructor and successful completion of ATEP 490C.

Corequisite: ATEP 490D

H SC 427 Drugs and Health (3)

Prerequisites: Upper division standing.

KIN 315 Motor Development (3)

Prerequisites: BIOL 207, BIOL 208; PSY 100 or equivalent.

KIN 339 Psychology of Sport Behavior and Athletic Performance (3)

Prerequisites: GE Foundation requirements, PSY 100 and upper division standing.

KIN 462 Advanced Strength and Conditioning (3)

Prerequisites: KIN 300, KIN 301. Open to Athletic Training, Exercise Science and Fitness majors in Kinesiology or consent of instructor.

## Certificate Programs

The Department of Kinesiology offers one certificate program. The certificate program are open to students enrolled in the University who meet general admission requirements as follows:

1. Completion of 30 hours of course work;
2. A minimum 2.75 GPA in all completed course work;
3. Admission application and approval by a faculty committee in the certificate program selected.

## Certificate in Wilderness Studies

Program is under consideration for discontinuance.

Students may only pursue the certificate program in combination with a CSULB degree program.

## Requirements

1. Wilderness First Responder (WFR) Certification (80 hours)
2. Resume of Outdoor Experiences
3. Coursework (27-29 units):

Take all of the following:

KIN 242 Backpacking (2)

Prerequisites: None.

KIN 244 Kayaking (2)

Prerequisites: None.

KIN 246A Mountaineering (2)

Prerequisites: None.

KIN 247A Techniques of Rockclimbing (2)

Prerequisites: None.

KIN 489K Field Work in Physical Activity Settings -

Fieldwork in Wilderness Studies (3)

Prerequisite: Completion of Kinesiology course requirements

for the major Option in which field work is taken.  
Additional Prerequisites: KIN 242, KIN 244, KIN 246A or KIN 247A, KIN 243C or KIN 245A. Certification in CPR and First Aid, and consent of instructor.

REC 427 Legal Aspects of Leisure Services (3)  
Prerequisites: Upper division standing.

Select one of the following:

KIN 243C, KIN 245A and KIN 245B

Select three of the following:

KIN 243A and KIN 243B, KIN 243C\*, KIN 245A and KIN 245B; REC 430.  
\*if not taken above

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## Graduate Programs

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Two degree programs are available to the student: Master of Arts degree in Kinesiology with five Options and Master of Science degree in Kinesiology with four Options. Students may select the thesis/project track, the comprehensive examination track, or the capstone course track. The minimum unit requirement for the all MA or MS degree programs in Kinesiology is 36 units.

### Admission Criteria

1. A bachelor's degree from an accredited institution with a major in Kinesiology/Physical Education or the equivalent;
2. If a prospective graduate student has a baccalaureate degree in a field other than Kinesiology or Physical Education, he/she may be required to take prerequisite or foundational upper-division undergraduate coursework in Kinesiology. Students must consult with the Associate Chair for Graduate Studies and/or major advisor before enrolling in foundational courses. The courses, which vary depending on the student's academic background and Option, may be taken at CSULB or another college/university. All foundational coursework must be completed prior to Advancement to Candidacy.
3. An overall undergraduate GPA of 2.5 or better and an upper division Kinesiology/Physical Education major GPA of 2.75 or better;
4. A minimum cumulative score of 150 on the verbal, 141 on the quantitative and 3.5 on the analytical writing sections of the Graduate Record Examination.

### Advancement to Candidacy

1. Completion of the general University requirements for advancement to candidacy;
2. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
3. A graduate program must have approval of the student's advisor, Department Associate Chair for Graduate Studies, and Associate Dean of Graduate Students, Research, and Faculty Affairs for the College of Health and Human Services.

### Master of Arts in Kinesiology

Five options are under the Master of Arts degree in Kinesiology. The core courses for thesis students are KIN 696 and 698. The core course for comprehensive examination students is KIN 696.

### Option in Adapted Physical Education

This option is designed to provide advanced preparation in adapted physical activity and the study of individuals with disabilities across the lifespan (preschool to adult).

#### Requirements

1. Take the following course:  
KIN 696 Research Methods and Statistical Analysis (3)  
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.
2. Minimum of 12 units, take the following:  
EDSP 577, EDSP 578; KIN 537, KIN 638, KIN 697
3. Select option A or B (21 units):
  - A. Pass written and oral portions of Comprehensive Exam and complete 21 units of approved electives.
  - B. Thesis/Project: Complete KIN 698 (6 units) plus 15 units of approved electives.
4. Complete at least seventy percent (70%) of the minimum units required for the program of study in courses at the 500/600 level, including double-numbered courses.

### Option in Coaching and Student-Athlete Development

1. Required Courses (18 units):
  - KIN 512 Legal and Ethical Issues in Sport (3)  
Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program; or consent of instructor.
  - KIN 572 Applied Sport Psychology (3)  
Prerequisites: KIN 339. Open to Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.
  - KIN 575 Psychology of Coaching (3)  
Prerequisites: KIN 339. Open to Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.
  - KIN 577 Sport in U.S. Culture (3)  
Prerequisites: KIN 332 or equivalent.
  - KIN 593A Coaching Internship (3)  
Prerequisites: Bachelor degree with a major or minor in Kinesiology or Physical Education or an approved related major; advancement to candidacy and approval of Intern Coordinator.
  - KIN 696 Research Methods and Statistical Analysis (3)  
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.
2. Electives (12 units)  
Select four from the following list of elective courses:  
KIN 529, KIN 541, KIN 573, KIN 630, KIN 597 or KIN 697, KIN 560, KIN 573, KIN 593B, KIN 633; PSY 553, PSY 678
3. Select either A or B (6 units):
  - A. Thesis/Project: KIN 698 Thesis/Project (6 units)
  - B. Pass written and oral portions of Comprehensive Exam and complete six (6) units chosen from Elective Courses listed above.

### Option in Pedagogical Studies

This option is currently inactive.

This option is offered only through College of Continuing and Professional Education at a higher tuition rate. Instruction is presented in an accelerated cohort program format over 24 months.



## Requirements

### 1. Required courses (21 units)

KIN 522 Non-traditional Activities in K-12 Physical Education (3)

Prerequisite: Graduate standing; admission to the Master of Arts Program in Pedagogical Studies.

KIN 524 Analysis of Teaching in Physical Education (3)

Prerequisites: None.

KIN 525 Instructional Design in Physical Education (3)

Prerequisites: Undergraduate major in physical education, EDST 300.

KIN 528 Promoting Physical Activity and Fitness in K-12 Physical Education (3)

Prerequisite: Graduate standing; admission to the Master of Arts Program in Pedagogical Studies.

KIN 529 Positive Youth Development and Physical Activity (3)

Prerequisite: Graduate standing; admission to the Masters program in Kinesiology

KIN 580 Computer Application in Physical Education (3)

Prerequisites: Graduate standing, consent from instructor. Introduction to computer hardware and software used in Kinesiology including DOS/Windows and Apple Macintosh operating systems.

KIN 696 Research Methods and Statistical Analysis (3)

Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

\* KIN 526 Applied Behavior Analysis in Physical Education (3) and 537 Physical Education for Special Populations (3) may be substituted, with instructor permission, for any of the above courses except KIN 524, 525 or 696.

### 2. Elective courses (12 units)

Select three of the following 3-unit courses plus an additional three unit course at the 500 or 600 level:

EDSE 435, EDSE 436, EDSE 457, EESS 450P, or EESS 473P.

### 3. Select option A or B:

A. Pass written and oral portions of Comprehensive Exam.

B. Thesis/Project (6 units): Complete 6, rather than 12 elective units in Section 2.

### 4. Complete at least seventy percent (70%) of the minimum units required for the program of study in courses at the 500/600 level, including double-numbered courses.

## Option in Sport Management

This option is offered only through College of Continuing and Professional Studies at a higher tuition rate. Instruction is presented in an accelerated cohort program format over 18 months.

## Requirements

### 1. Take all the following courses:

KIN 511A Sports Marketing, Development and Fund Raising (3)

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

KIN 511B Sports Marketing, Development and Fund Raising (3)

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management, & KIN 511A.

KIN 512 Legal and Ethical Issues in Sport (3)

Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program; or consent of instructor.

KIN 513 Personnel and Facility Management in Athletics (3)

Prerequisites: Graduate standing; admission into the Graduate

Program in Sport Management.

KIN 514 Sport Finance (3)

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

KIN 521 Foundations of Sport Management (3)

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

KIN 591 Field Studies in Sport Event Management (3)

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

KIN 592A Sports Management Internship (6)

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management

KIN 694 Capstone in Kinesiology (3)

Prerequisite: KIN 696 and admission into a Kinesiology graduate program.

KIN 695 Seminar in Professional Literature (3)

Prerequisite: Graduate standing; admission into the Graduate Program in Sport Management.

KIN 696 Research Methods and Statistical Analysis (3)

Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

### 2. Pass written and oral portions of Comprehensive Exam.

## Option in Individualized Studies

This option is designed to provide the student with curriculum activities that combine one or more option areas into a program of study. This option is developed by the student with the advisement of a graduate faculty member and/or the Associate Chair for Graduate Studies. A statement of rationale for the proposal must accompany the program of study.

## Requirements

### 1. Required Course (3 units)

KIN 696 Research Methods & Statistical Analysis (3);

### 2. Select A or B (33 units):

A. Thesis/Project: KIN 698 Thesis/Project (6 units) and complete 27 advisor approved Elective units focused on a specific theme of study.

B. Pass written and oral portions of Comprehensive Exam and complete 33 advisor-approved Elective units focused on a specific theme of study.

### 3. Complete at least seventy percent (70%) of the minimum units required for the program of study in courses at the 500 and 600 levels, including double-numbered courses (400/500). At least fifty percent (50%) of the units required for the degree shall be in courses organized primarily for graduate students.

## Master of Science in Kinesiology

Four options are under the Master of Science degree in Kinesiology. The core courses for thesis/project students are KIN 696 and KIN 698. The core course for comprehensive examination students is KIN 696.

## Option in Exercise Science

## Requirements

### 1. Required Coursework (12 units):

KIN 530 Neuromotor Control (3)

Prerequisites: Graduate standing, KIN 312 or equivalent.

- KIN 541 Applied Biomechanics (3)  
Prerequisites: KIN 300 or equivalent.
- KIN 551 Advanced Exercise Physiology (3)  
Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent.
- KIN 696 Research Methods and Statistical Analysis (3)  
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Elective Courses (18 units):

Select six of the following courses:

- KIN 540 KIN 552, KIN 553, KIN 562, KIN 565, KIN 566, KIN 568, KIN 594, KIN 630, or KIN 697

3. Select option A, B, or C (6 units):

- A. Pass written and oral portions of Comprehensive Exam and complete 6 units of electives from within or outside of the department offerings selected from appropriate areas of interest in consultation with advisor.
- B. Thesis/Project: Complete KIN 698 (6 units)

### Option in Sport and Exercise Psychology

#### Requirements

1. Core (18 units):

- KIN 512 Legal and Ethical Issues in Sport (3)  
Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program; or consent of instructor.
- KIN 572 Applied Sport Psychology (3)  
Prerequisites: KIN 339. Open to Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.
- KIN 577 Sport in U.S. Culture (3)  
Prerequisites: KIN 332 or equivalent.
- KIN 578 Psychological Aspects of Exercise and Fitness (3)  
Prerequisites: KIN 339. Open to Fitness and Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.
- KIN 633 Seminar in Sport Psychology (3)  
Prerequisites: KIN 339 or consent of instructor.
- KIN 696 Research Methods and Statistical Analysis (3)  
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Elective Courses (12 units):

Select four of the following courses:

- KIN 529, KIN 573, KIN 575, KIN 630, KIN 697, PSY 553, PSY 575, PSY 678.

3. Select either option A or B (6 units):

- A. Thesis/Project: KIN 698 Thesis/Project (6 units)
- B. Pass written and oral portions of Comprehensive Exam and complete six (6) units chosen from Elective Courses.

### Option in Sports Medicine and Injury Studies

#### Requirements

1. Required courses (24 units):

- KIN 541 Biomechanical Factors in Human Movement (3)  
Prerequisites: KIN 300 or equivalent.
- KIN 551 Advanced Exercise Physiology (3)  
Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent.
- KIN 560 Health Related Problems in Sport (3)  
Prerequisites: KIN 207 and KIN 301 or their equivalents and BIOL 207 and 208 or their equivalents.

- KIN 561 Musculoskeletal Injuries in Sport (3)  
Prerequisites: KIN 207 and KIN 300 or their equivalents and BIOL 208 or its equivalents.

- KIN 562 Advanced Strength and Conditioning (3)  
Prerequisites: KIN 300, KIN 301.

- KIN 568 Nutrition for Exercise and Performance (3)  
Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.

- KIN 633 Seminar in Sport Psychology (3)  
Prerequisites: KIN 339 or consent of instructor.

- KIN 696 Research Methods and Statistical Analysis (3)  
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Select option A or B (12 units):

- A. Thesis/Project: KIN 698 Thesis/Project (6 units) plus six (6) units chosen from the following elective courses: KIN 540, KIN 552, KIN 553, KIN 565, KIN 566, KIN 573, KIN 577, or KIN 671.

- B. Comprehensive Examination: Passing score in written and oral portions of Comprehensive Examination plus KIN 697 Directed Studies (3) and nine (9) units chosen from Elective Courses: KIN 540, KIN 552, KIN 553, KIN 565, KIN 566, KIN 573, KIN 577, or KIN 671.

### Option in Exercise Physiology and Nutrition

#### Requirements

1. Required Coursework (12 units):

- KIN 551 Advanced Exercise Physiology (3)  
Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent.
- KIN 552 Exercise Testing and Training in Health and Disease (3)  
Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent.
- KIN 566 Biochemical and Hormonal Adaptations to Physical Activity (3)  
Prerequisites: Upper-division undergraduate or Graduate standing; KIN 301 or equivalent; CHEM 111A or its equivalent. Consent of instructor required for upper-division undergraduate students prior to registration.
- KIN 696 Research Methods and Statistical Analysis (3) or FCS 696 Research Methods (3)  
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Elective courses (9 units)

Select three courses from the following list of courses: KIN 553, KIN 562, KIN 565, KIN 568, or KIN 594.

3. Elective courses (9 units)

Select three courses from the following list of courses: KIN 568, FCS 530A, FCS 530B, FCS 531

4. Select either option A or B (6 units):

- A. Thesis and Project Candidates: KIN 698 Thesis (6)
- B. Pass written and oral portions of Comprehensive Exam and complete a minimum of 6 additional elective units approved by option advisor.

### Single Subject Teaching Credential in Physical Education

For information, refer to the undergraduate section in this department.

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## Kinesiology Courses (KIN)

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### ACTIVITY COURSES

#### 100-198. Physical Education Activity (1)

Broad range of physical education activities designed to provide opportunities to meet health, physical and recreational needs and interests.

Maximum of 8 units may be applied toward University graduation requirement. Students assume responsibility for satisfactory health status appropriate for class activity. May be offered at beginning (I), intermediate (II), and advanced (III) levels. All classes are co-educational, students may enroll in activity courses offered by Department of Kinesiology. Classes offered within areas are:

#### Individual/Dual Activities (1)

100A. Archery. Course fee may be required.

102A. Badminton

104A. Bowling. Course fee may be required.

108A. Golf

112A. Racquetball

114A,B,C. Tennis

145A. Gymnastics

152A. Yoga

#### Combative Activities (1)

106A. Fencing-Foil

107A. Fencing-Sabre

148A. Karate

149A. Self Defense

#### Aquatics (1)

121A. Sailing. Course fee may be required.

124A. Surfing

125A. Swimming

126A. Swimming Conditioning

127A. Aqua Aerobics (1)

#### Fitness Activities (1)

109A. Fitness Walking (1)

142. Group Exercise: Cardio

146A. Jogging

151A. Weight Training and Conditioning

#### Team Activities

161A. Basketball

162A. Beach Volleyball

165A. Flag Football

166. Rugby

167A. Soccer

168A. Ultimate Frisbee (1)

169A. Softball

172A,B,C. Volleyball

#### Recreational Dance

183A. Recreational Dance Workshop

188. Salsa

185. Social Dance

#### 198. Special Activities

F. Group Exercise: Dance Conditioning (1-3)

G. Tai Chi Chuan (1)

H. Chinese Sword Combat for Sport (1)

J. Mat Pilates Level I (1)

K. Kung Fu (1)

L. Group Exercise: Stretch and Relaxation (1)

M. Pickleball (1)

\* See Physical Education professional courses for additional activities open to non-majors.

### PROFESSIONAL COURSES

Kinesiology majors and minors will be given priority enrollment in classes required for the major. Selected courses are available to the general student body to receive credit toward general education requirements.

### LOWER DIVISION

#### 143. Individual Conditioning (1)

Designed to introduce the student to the activities, equipment, and techniques used in the development of conditioning programs tailored to one's individual needs.

May be repeated to a maximum of 8 units.

#### 156. Sports Appreciation (3)

Prerequisite/Corequisite: GE Foundation requirement.

Introduction to the study of sport as a social institution in American society.

#### 157. Fitness for Living (3)

Prerequisite/Corequisite: GE Foundation requirement.

Application of principles of human anatomy, physiology, motor control and bio-mechanics to the development of exercise programs for health and fitness.

(Lecture 2 hours, Activity 2 hours.)

#### 189. Country Dancing (1)

Instruction and practice in various country dance forms including line dancing, two-step, waltz, contra dancing, round dancing, and mixers. Useful for lifelong fitness, socialization, and recreation.

May be repeated to a maximum of 8 units.

#### 200. Psychological Skills for Peak Performance in Sport (3)

Introduction of psychological strategies and skills designed to help individuals achieve optimal performance. Skills such as imagery, goal setting, self-talk, attentional focusing, arousal regulation, and coping are presented.

(Lecture, 3 hours)

#### 201. Introduction to Kinesiology (3)

Prerequisites: None.

Survey of the discipline of kinesiology. Analysis of the knowledge base of the discipline and careers in physical activity professions. Focus is on the integrative nature of the discipline. Open to Kinesiology majors and pre-majors only. Letter grade only (A-F).

#### 210. Advanced Emergency Care (3)

Theory and practice of first aid for the injured. Successful completion of course requirements leads to the American National Red Cross advanced first aid and personal safety and community CPR certificate.

Course fee may be required.

#### 218. Professional Development in the Fitness Industry (2)

Prerequisites: Open to Fitness Option students in Kinesiology only or by consent of instructor.

An introduction to the Fitness profession which will provide the student with information regarding the history of the fitness industry, its educational expectations, standards and scope of practice basic skills needed to enter the field, and career options.

Letter grade only (A-F).

### **237. Techniques and Analysis of Aquatic Skills (2)**

Prerequisites: American Red Cross Community First Aid and CPR certification or equivalent. Open to Kinesiology majors in the Adapted Physical Education and K-12 Physical Education teacher education option only. To maintain enrollment, students must pass the swimming proficiency examination that will be administered the first week of instruction.

Instruction and techniques in individual aquatic skills, hydrodynamic and movement principles, and an exposure to a variety of learning procedures applicable to the development of aquatic skills.

Letter grade only (A-F). (Lecture 1 hour, Laboratory 3 hours.)

### **242. Backpacking (2)**

An experiential examination and analysis in the judgment, knowledge, equipment and skills necessary to safe wilderness travel and living. A 2-3 day field experience required.

Course fee may be required.

### **243A. Winter Mountain Expedition (2)**

Introduction to winter mountaineering skills; study of the mountain environment. Field experience required.

Course fee may be required (Activity 4 hours)

### **243B. Winter Mountain Expedition Field (1)**

Prerequisite: KIN 243A.

Application of the knowledge and skills required for winter mountaineering. Involves a 7-10 day field trip.

Course fee may be required. (2 hours activity)

### **243C. Desert Expedition (3)**

Introduction to the skills, attitudes and knowledge required for safe use and enjoyment of desert areas. An interdisciplinary introduction to the meaning and significance of the desert. Trip planning, map use, methods of safe travel. Includes field trip.

Course fee may be required. (Activity 6 hours.)

### **244. Kayaking (2)**

An experiential examination and analysis of the judgment, knowledge, equipment and skill development necessary to safe flat and whitewater kayaking. A 2-3 day field experience required.

Course fee may be required. (Activity 4 hours.)

### **245A. Wilderness Water Expedition (2)**

Introduction to the skills, attitudes and knowledge required for safe use of varied types of wilderness waters. The skills and techniques of boat handling and trip planning. An interdisciplinary introduction to the study of waterways. A 2-3 day field experience required.

Course fee may be required. (Activity 4 hours)

### **245B. Wilderness Water Expedition Field (1)**

Prerequisite: KIN 245A.

Application of the knowledge and skills required for different types of wilderness water expeditions. Involves a 10-14 day field trip. (2 hours of activity)

### **246A. Mountaineering (2)**

An experiential examination and analysis in the judgement, knowledge, equipment and skills necessary to safe mountaineering. Course includes field trip.

Letter grade only (A-F). (Activity 4 hours) Course fee may be required.

### **247A. Techniques of Rockclimbing (2)**

Introduction to the basic skills, judgment and safety for technical rockclimbing. The skills and techniques of top roping, belaying rappels and self rescue. Includes a field trip.

Course fee may be required. (Activity 4 hours)

### **250. Techniques of Basketball (1)**

Instruction in individual and team skills and techniques utilized in the sport of basketball for successful performance.

Open to Kinesiology majors and minors only. (Activity 2 hours.)

### **251. Techniques of Flag Football (1)**

Open to Kinesiology majors and minors only.

Instruction and practice in catching, throwing, tackling, running. Comprehensive teaching of skills and techniques in Flag Football. Letter grade only (A-F).

### **253. Techniques of Soccer (1)**

Instruction in individual and team skills and techniques utilized in the sport of soccer for successful performance.

Open to Kinesiology majors and minors only. (Activity 2 hours.)

### **255. Techniques of Softball (1)**

Instruction and practice in catching, throwing, hitting, sliding, base running, and bunting. Comprehensive teaching of skills and techniques in softball.

Open to Kinesiology majors and minors only. (Activity 2 hours)

### **257. Techniques of Volleyball (1)**

Instruction in individual and team techniques utilized in the sport of volleyball.

Open to Kinesiology majors and minors only. (Activity 2 hours)

### **261. Techniques and Analysis of Fundamental Rhythms (2)**

Instruction, practice, teaching, and analysis of floor patterns and rhythm variations of basic social and folk dances and their appropriateness for successful teaching of various age groups and skill levels in the public schools.

Letter grade only (A-F). (Activity 4 hours) Open to Kinesiology Pedagogy Majors only.

### **263. Techniques of Physical Fitness (2)**

Consists of instruction, practice, and evaluation in physical fitness. Cardiorespiratory, muscular strength and endurance, and flexibility activities will be emphasized within the course.

Open to Kinesiology majors only or consent of instructor. Not open for credit to Kinesiology majors in the pedagogy options. Letter grade only (A-F). (Discussion 1 hour, Laboratory 3 hours)

### **264. Techniques of Golf (1)**

Instruction and techniques in individual skills and strategies for successful performance in golf.

Open to Kinesiology majors and minors only. (Activity 2 hours)

### **265. Techniques of Gymnastics (1)**

Open to Kinesiology majors and minors only.

Techniques and instruction of the principles of movement in gymnastics as well as organizational strategies utilized in presenting gymnastics in Physical Education classes.

Letter grade only (A-F).

### **266. Techniques of Badminton (1)**

Instruction and techniques in the skills and strategies for successful performance in badminton.

Open to Kinesiology majors and minors only. (Activity 2 hours)

### **267. Techniques of Tennis (1)**

Instruction, techniques and analysis in the concepts of teaching, coaching, and playing tennis.

Open to Kinesiology majors and minors only. (Activity 2 hours)

### **268. Techniques of Track and Field (1)**

Instruction, techniques and analysis in the concepts of teaching, coaching, and performance in track and field.

Open to Kinesiology majors and minors only. Letter grade only (A-F) (Activity 2 hours)

### **270. Professional Practices in Public School Physical Education (3)**

Prerequisite: Students must meet the University GE writing course requirement.

Corequisite: Community CPR/First Aid/Safety or current certification.

Provides an overview of current professional practices in public school physical education. Students plan, teach, and self-evaluate lessons. Required introductory course for Adapted, Elementary and Secondary Pedagogy options after 30 units of college course work.

Open to Kinesiology majors in the Adapted PE Option and K-12 PE Option. Letter grade only (A-F). (Lecture 2 hours, Lab 2 hours)

## **UPPER DIVISION**

### **300. Biomechanics of Human Movement (3)**

Prerequisites: BIOL 208 or equivalent 4-unit Human Anatomy course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only. Corequisite(s): KIN 201.

Anatomical structure and function, and mechanical principles relating to human motion, including analytical application.

Grading: Letter grade only (A-F). (Lecture 2 hours, laboratory 3 hours)

### **301. Exercise Physiology (3)**

Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.

Corequisite: KIN 201

Basic concepts of the physiology of muscular exercise with emphasis on the responses and adaptations of the circulatory system, the respiratory system, and skeletal muscles to the physical stress of acute and chronic exercise.

Letter grade only (A-F). (Lecture 2 hours, Laboratory 3 hours). Course fee may be required.

### **302. Structural Kinesiology (3)**

Prerequisites: BIOL 208 or equivalent.

Focuses specifically on the nervous and musculoskeletal systems with an emphasis on control, structure, evaluation of, and injury to the musculoskeletal system. Students will examine clinical and pathological examples to understand how change in structure yields change in function.

Letter grade only (A-F).

(Lecture 2 hrs., laboratory 3 hrs.)

### **312. Motor Control and Learning (3)**

Prerequisites: BIOL 207, BIOL 208 and PSY 100 with grade of "C" or better or consent of instructor. Open to Kinesiology and Dance Science majors only.

Corequisite(s): KIN 201 applies to Kinesiology majors.

Letter grade only (A-F).

Basic concepts of the neuro-motor and psychological contributions in the control and acquisition of skilled performance.

Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

### **315. Motor Development (3)**

Prerequisites: BIOL 207, BIOL 208; PSY 100 or equivalent.

Developmental perspective of factors contributing to acquisition of motor control from infancy through adolescence.

(Lecture 2 hours, Activity 2 hours)

### **320. Adapted Physical Education (3)**

Prerequisites: BIOL 208.

Kinesiology majors learn to teach physical activity to persons with disabilities. Discussed are the etiology characteristics and best

teaching practices (i.e., inclusion) for persons with mental, learning physical, emotional, sensory, health, and/or multiple disabilities.

(Lecture 2 hours, Activity 2 hours).

### **332. Sociocultural Dimensions of Sport and Human Movement (3)**

Prerequisite(s)/Corequisite(s): KIN 201; for KIN students only.

Designed to foster students' writing abilities specific to the discipline of kinesiology through sociology of sport and physical activity content. An interdisciplinary approach used to identify the factors that define and influence human movement.

Letter grade only (A-F).

### **335. Historical and Cultural Foundations of Sport and Kinesiology in America (3)**

Prerequisites: Upper division standing.

Survey of the history of sport and kinesiology. Historical identification of the cultural trends and functions of sport and kinesiology in America.

Open to Kinesiology Majors only.

### **338. Women in Sport (3)**

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper-division standing.

Survey of women's historical and contemporary involvement with sport. The social, cultural and developmental implications of sports participation for women.

### **339. Psychology of Sport Behavior and Athletic Performance (3)**

Prerequisites: GE Foundation requirements, PSY 100, and upper-division standing.

Psychological dimensions of attitudes, behaviors, and performance in sport and exercise environments.

Same course as PSY 339. Not open for credit to students with credit in PSY 339.

### **343. Techniques and Analysis of Physical Fitness and Activity (2)**

Prerequisite: KIN 270.

Knowledge needed to plan and implement physical activity programs in public school. Analysis of development, maintenance, implementation, and self-assessment of physical fitness. Designed to prepare for FITNESSGRAM assessments and Department's Physical Fitness Proficiency Examination.

Open to Kinesiology/Physical Education Pedagogy Majors and Minors only. Letter grade only (A-F). (Lecture 1 hour, Activity 3 hours).

### **354. Technology in Physical Education (3)**

Overview of education technology applications, specifically wordprocessing, spreadsheet, video technology, web-based information, internet related software and technologies, pdf documents, personal digital assistants (PDAs) and use of commercially produced education software.

Meets computer technology requirement for California Single Subject Teaching Credential. Letter grade only (A-F). (Lecture 2 hours, laboratory 2 hours).

### **363. Theory and Analysis of Group Fitness Instruction (2)**

Prerequisite: KIN 263. Open to Fitness Option students in Kinesiology only, or consent of instructor.

Learn to become effective group exercise leaders by understanding responsibilities of fitness leaders, principles of fitness, and leadership skill. Techniques for various group exercise activities will be taught.

Letter grade only (A-F). (Discussion 1 hour, Activity 2 hours)

### **364. Fitness for Adult Populations with Unique Health Considerations (3)**

Prerequisites: KIN 301. Open to Fitness Option students in Kinesiology only, or consent of instructor.

Scientific information regarding exercise testing and exercise prescription for adult special populations. Topics include pregnancy, diabetes, arthritis, stroke, respiratory disorder, coronary artery disease, hypertension, and obesity.

Letter grade only (A-F).

### **367. Fitness and the Aging Process (3)**

Prerequisites: Fitness Option: KIN 218 and KIN 301; KIN Exercise Science Option: KIN 301; or consent of instructor.

Provides knowledge in the area of fitness and the older adult. Topics include theories of aging, age-related changes that affect physical capacity, exercise and its impact on the aging process, and physical activity programming for the older adult.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 2 hours)

### **368. Resistance Training for Fitness (3)**

Prerequisite(s): Prerequisites: KIN 300 and KIN 301. Open to Fitness Option students in Kinesiology or consent of instructor.

The focus of the course will be on the proper execution of resistance exercises typically performed in fitness facility settings. Students will learn to design resistance-training programs based on scientific principles for developing muscular strength, endurance and power.

Letter grade only (A-F). (Discussion 2 hours, Activity 2 hours)

### **370. Movement Theory and Practice of Elementary Physical Education (3)**

Prerequisite: KIN 270.

Provides Kinesiology Physical Education Teacher Education (PETE) Option candidates with movement theory and practice in elementary school physical education based upon California Physical Education Framework and Content Standards. Practice includes fieldwork experiences in elementary school physical education.

Designed for Kinesiology majors. (Lecture 2 hours, Activity 2 hours)

### **380. Principles, Organization and Management of Secondary School Physical Education (3)**

Prerequisites: KIN 149A, KIN 237, KIN 250, KIN 251, KIN 253, KIN 255, KIN 257, KIN 261, KIN 264, KIN 265, KIN 266, KIN 267, KIN 268, KIN 270, KIN 343, KIN 370 or consent of instructor. Suggest concurrent enrollment in EDSS 300P (single subject credential course).

Principles, organization and management of activities taught in secondary schools, includes basic organization and management strategies and fieldwork experience in public secondary school physical education.

Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

### **387. Physical Activities for the Disabled (3)**

Prerequisites: KIN 320

Adaptation of physical activities, equipment, and facilities for individuals with permanent disabilities affecting motor performance.

Letter only (A-F). (Lecture 2 hours, Activity 2 hours)

### **388. Program Planning and Instruction in Adapted Physical Education (3)**

Prerequisite: KIN 387.

Emphasis on program planning and the development of teaching skills in Adapted Physical Education.

Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

### **405. Cardiopulmonary Aspects of Health-Related Exercise Programs (4)**

Prerequisites: KIN 210 or current First Aid and CPR certificates, KIN 301. Open to Exercise Science Option students in Kinesiology only, or consent of instructor.

Theory and practical application of physical fitness assessment. Emphasis will be placed on the use of assessments to design and implement basic fitness programs for apparently healthy individuals.

Letter grade only (A-F). (Lecture 3 hours, Laboratory 3 hours)

### **427./527. Physical and Motor Assessment (3)**

Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent; upper-division undergraduate or graduate standing; consent of instructor required for graduate students prior to registration.

The selection, administration, and interpretation of standardized and informal tests used in the physical and motor assessment practices of individuals with disabilities.

Upper-division students register in KIN 427; Graduate students register in KIN 527. Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

### **430. Motor Control Principles and Theory (3)**

Prerequisite: KIN 312 or equivalent. Open to Exercise Science Option students in Kinesiology only, or consent of instructor.

Study of the principles, models, and theories of human movement control. Instruction is directed toward understanding the fundamental principles, theoretical propositions, and neuro-kinesiological models, with applications to sport, physical education, human factors, and human performance.

Letter grade only (A-F).

### **431. Scientific Foundations of Locomotion (3)**

Prerequisites: KIN 300, KIN 312. Open to Exercise Science Option students in Kinesiology only, or consent of instructor.

Instruction is directed towards understanding the influence of motor control theories, biomechanical principles, and constraints to human movement on locomotion.

Letter grade only (A-F).

### **432. Applied Motor Learning (3)**

Prerequisites: KIN 300 and KIN 312.

Provides students with an applied perspective of Motor Learning. Motor learning topics addressed include: theory, research, and application. Focuses on requiring students to apply various motor learning concepts into real world environments.

Letter grade only (A-F).

### **441./541. Applied Biomechanics: Lifting and Work Capacity (3)**

Prerequisites: KIN 300 or equivalent (Trigonometry and PHYS 100A recommended). Open to Exercise Science Option students in Kinesiology only, or consent of instructor.

Study of the mechanical properties of bone, ligament, tendon and skeletal muscle. Development, description, and application of selected biomechanical models to the evaluation of weight-lifting, rehabilitation exercises, and occupational lifting tasks. Critical analysis of methods used to assess strength.

Letter grade only (A-F).

### **457. Applied Theory of Teaching Team Sports (3)**

Prerequisites: KIN 250, KIN 251, KIN 253, KIN 255, KIN 257, KIN 270 or consent of instructor; senior standing.

Comprehensive analysis of the principles of movement, corrections of performance, and organizational strategies utilized in presenting team sports: basketball, flag football, soccer, softball, volleyball, floor hockey, speedball, and team handball.

Letter grade only (A-F). (Lecture 2 hours, activity 2 hours)

#### **460. Applied Theory and Analysis of Non-Traditional Physical Education Games and Activities (2)**

Prerequisites: KIN 370, senior standing.

Organization and management to effectively plan and implement a variety of non-traditional physical education games and activities such as cooperative games, problem solving activities, collaborative learning groups, and outdoor educational experiences.

Letter grade only (A-F). Open to Kinesiology majors and minors only. (Lecture 1 hour, Laboratory 3 hours)

#### **461. Applied Theory of Teaching Individual and Dual Sports (3)**

Prerequisites: KIN 237, KIN 264, KIN 265, KIN 266, KIN 267, KIN 268, KIN 270, or consent of instructor; senior standing.

Comprehensive analysis of the principles of movement and organizational strategies utilized in archery, badminton, golf, paddle tennis, pickleball, racquetball, tennis, swimming, orienteering, and track and field.

Open to Kinesiology majors in the Adapted PE Option and K-12 PE Option. Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

#### **462./562. Advanced Strength and Conditioning (3)**

Prerequisites: KIN 300, KIN 301. Open to Athletic Training, Exercise Science and Fitness majors in Kinesiology or consent of instructor.

Study of biomechanical and kinesiological factors which are important in understanding the function and proper techniques for execution of a wide variety of standard and advanced weight training exercises. Physiological bases for strength training and adaptations caused by different training regimes are emphasized.

Letter grade only (A-F).

#### **465./565. Clinical Exercise Electrocardiography (3)**

Prerequisites: BIOL 207 and KIN 301. Open to Exercise Science and Fitness Option students in Kinesiology only, or consent of instructor.

Study of the physiology and patho-physiology of the electrical activity of the heart. Instruction is directed toward pattern recognition of normal and abnormal resting and exercise electrocardiograms.

#### **466./566. Biochemical and Hormonal Adaptations to Physical Activity (3)**

Prerequisites: KIN 301 or equivalent; CHEM 111A or its equivalent. Open to Exercise Science Option students in Kinesiology only, or consent of instructor.

Study of the biochemical and hormonal changes that occur as a result of acute and chronic physical activity. Emphasis will be placed on the application of concepts to the development of exercise training programs.

Consent of instructor required for upper-division undergraduate students prior to registration. Upper-division undergraduate students register in KIN 466; graduate students register in KIN 566. Letter grade only (A-F). Same course as NUTR 466. Not open for credit to students with credit in NUTR 466.

#### **467. Fundamentals of Personal Training (3)**

Prerequisites: KIN 368. Open to Fitness Option students in Kinesiology only, or consent of instructor.

Designed to provide the student with theoretical knowledge and practical skills needed to become a personal trainer. Covers such topics as the business of personal training, client-trainer relationships, fitness and health assessments and exercise prescription.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

#### **468./568. Nutrition for Exercise and Performance (3)**

Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.

Explores role nutrients play in exercise and performance enhancement. Topics include evaluation of energy needs during physical activity, examination of weight management practices, assessment of nutritional status, and investigation of contemporary dietary issues related to exercise.

Letter grade only (A-F). Same course as NUTR 468. Not open for credit to students with credit in NUTR 468. Open to Kinesiology undergraduate students in the Fitness and Exercise Science options and to the Nutrition and Dietetics option in Family and Consumer Sciences.

#### **469. Fitness Management (3)**

Prerequisite: KIN 363, KIN 368. Open to Fitness Option students in Kinesiology only, or by consent of instructor.

Provides knowledge in the area of management of fitness programs. Topics will include program development, personnel issues, financial and legal considerations, equipment purchasing, and marketing strategies for fitness programs.

Open to Fitness Option students in Kinesiology only, or by consent of instructor. Letter grade only (A-F).

#### **472./572. Applied Sport Psychology (3)**

Prerequisites: KIN 339. Open to Sport Psychology and Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

Application of psychological skills and interventions to enhance athletic performance.

Letter grade only (A-F). Undergraduates register in KIN 472; graduates register in KIN 572. A written report is required for KIN 572 students.

#### **475./575. Psychology of Coaching (3)**

Prerequisites: KIN 339. Open to Sport Psychology & Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

Current topics of psychological concern and application as related to athletic performance.

Letter grade only (A-F). Undergraduates register in KIN 475; graduates register in KIN 575. A written report is required for KIN 575.

#### **476. Physical Education for the Elementary School Teacher (3)**

Prerequisite: Junior standing.

Provides Multiple Subject Credential candidates with knowledge and experiences necessary to teach quality physical education lessons based upon the California Physical Education Framework and Content Standards. Content includes the FITNESSGRAM Program (state fitness test) and subject integration activities.

(Lecture 2 hours, Activity 2 hours)

#### **477. Measurement and Curriculum in Physical Education (3)**

Prerequisite: KIN 343 and KIN 370 or consent of instructor

Course provides students with experiences in content development, program implementation, and evaluation of a physical education program. This service-learning component allows students to teach and critically reflect on subject matter while assisting a population in need.

Letter grade only (A-F). (2 hours lecture discussion, 2 hours lab)

#### **478./578. Psychological Aspects of Exercise and Fitness (3)**

Prerequisites: KIN 339. Open to Fitness and Sport Psychology and Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

Philosophical, psychological and behavioral concepts of physical activities and health states will be discussed. Professional standards and invention strategies will be covered.

Letter grade only (A-F).

Undergraduates register in KIN 478; graduates register in KIN 578; A written report is required for KIN 578.

### **483. Statistics in Human Movement Science (3)**

Prerequisites: KIN 300, KIN 301, KIN 312.

Evaluation and analysis of measuring devices and resulting data used in Kinesiology. Interpretation of data using appropriate statistical analyses. (Lecture 2 hours, Activity 2 hours)

### **487./587. Supervised Activity Instruction Experience (1-3)**

Prerequisite: Upper division or graduate standing and consent of instructor.

Experience in the organization of and methods for the activity component of a course in kinesiology. A written report is required for KIN 587 students.

Undergraduates register in KIN 487; graduates register in KIN 587. May be repeated to a maximum of 4 units. Letter grade only (A-F). Restricted to major students only. Not open for credit to graduate students with credit in KIN 487. (Conference 1 hour, Laboratory 2 hours per unit)

**489. Field Work in Physical Activity Settings (3)** Prerequisite: Completion of Kinesiology course requirements for the major Option in which field work is taken.

Supervised practice in working with individuals or small to large groups in public or private agencies and schools.

Letter grade only (A-F). Course fee may be required. May be repeated to a maximum of 9 units.

- A. Fieldwork in Adapted Physical Education
- B. Fieldwork in Athletic Coaching
- D. Fieldwork in Fitness

Additional Prerequisites: KIN 467, completion of 200 hours in a corporate fitness setting, 200 hours in a traditional fitness setting, and 100 hours of approved fitness experience. Open to Fitness Option students in Kinesiology only.

- G. Fieldwork in Sport Training and Research
- K. Fieldwork in Wilderness Studies

Additional Prerequisites: KIN 242, KIN 244, KIN 246A or KIN 247A, KIN 243C or KIN 245A. Certification in CPR and First Aid, and consent of instructor.

### **494./594. Exercise Science Internship (3)**

Prerequisites: Upper-division or graduate standing with a grade of "B" or better in KIN 300 for a biomechanics internship or KIN 301 for an exercise physiology internship or KIN 312 for a motor control and learning internship; consent of instructor required prior to registration.

Provides practical experience in applying exercise science concepts in a fieldwork setting such as cardiac rehabilitation in a medical setting.

Upper-division undergraduate students register in KIN 494; Graduate students register in KIN 594. Letter grade only (A-F). May be repeated to a maximum of 6 units. Course fee may be required.

### **495./595. Supervised Laboratory Methods (1-3)**

Prerequisites: Upper division or graduate standing and consent of instructor.

Provides experience in the methods of the laboratory component for a Kinesiology course, for example, assisting students with their experiments and laboratory reports.

Undergraduates register in KIN 495; graduates register in KIN 595. A written report is required for KIN 595 students. Letter grade only (A-F). Restricted to Kinesiology major students only. Not open for credit to graduate students with credit in KIN 495. (Conference 1 hour, Laboratory 2 hours per unit) May be repeated to a maximum of 4 units.

### **497. Independent Study (1-3)**

Prerequisites: Major in Kinesiology, senior standing and consent of Kinesiology Department.

Student will conduct independent library or laboratory research under the supervision of a faculty member and write a report of the investigation.

May be repeated to a maximum of 6 units. Letter grade only (A-F).

### **499. Selected Topics in Kinesiology (1-3)**

Group investigation of topics of current interest in kinesiology or athletics.

May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

## **GRADUATE LEVEL**

### **511. Sports Marketing, Development, and Fund Raising (3)**

Prerequisites: Graduate standing and a Baccalaureate Degree in Kinesiology/Physical Education or related field and admission to the Kinesiology Graduate Sports Management Program.

Provides students with an overview of sport marketing. It presents basic marketing terminology and discusses the application of marketing concepts to the development and promotion of the business of sport.

Letter grade only (A-F).

### **511A. Sport Marketing, Development, and Fundraising Management (3)**

Prerequisite: Graduate Standing; admission to the Graduate Program in Sport Management

The application of marketing principles, research, segmentation, product development, pricing, event marketing, sponsorship, fundraising, consumer behavior, licensing, branding, advertising, and sales promotion within the context of effective sport marketing. Letter grade only (A-F).

### **511B. Sport Marketing, Development, and Fundraising Management (3)**

Prerequisite: Graduate Standing; admission to the Graduate Program in Sport Management

Addresses various aspects of sport management including advertising, marketing platforms, social media program development, personal branding, sales development, sponsor motivations, sport philanthropy, crisis management, key performance indicators, public relations, consumer insights, and leveraging relationships

Letter grade only (A-F).

### **512. Legal and Ethical Issues in Sport (3)**

Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program; or consent of instructor.

Examines legal and ethical issues associated with sport settings.

Letter grade only (A-F).

### **513. Personnel and Facility Management in Athletics (3)**

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

Examines the principles and practices associated with managing personnel and facilities in interscholastic, intercollegiate, amateur, international, and professional sport.

Letter grade only (A-F).

### **514. Sport Finance (3)**

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

Discusses financial management principles for use in interscholastic, intercollegiate, amateur, international, and professional sports. Special emphasis is placed on understanding various means by which sport organizations control costs and increase revenue.

Letter grade only (A-F).

### **521. Foundations of Sport Management (3)**

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

Introduces students to the business of sport and the functional areas of Sport Management. Discusses the leadership/supervisory philosophies, principles, and practices of managing interscholastic, intercollegiate, amateur, international, and professional sport.



**522. Non-Traditional Activities in K-12 Physical Education (3)**

Prerequisite: Graduate standing; admission to the Master of Arts Program in Pedagogical Studies.

Plan, implement, and evaluate nontraditional games and activities. Emphasis is on meeting needs of diverse populations, including students with disabilities, problem-solving, assessment, safety and injury prevention, ethical issues, group discussion, analysis of school outdoor educational experiences.

Letter grade only (A-F).

**524. Analysis of Teaching in Physical Education (3)**

Analysis of teachers and teaching in physical activity environment: focus on developing observational competencies, analysis of research completed and future research designs.

**525. Instructional Design in Physical Education (3)**

Prerequisites: Undergraduate major in physical education, EDST 300.

A systems approach to designing instruction for the physical education program.

**526. Applied Behavior Analysis in Physical Education (3)**

Application of applied behavior analysis principles to physical education (sport) with particular emphasis on single subject research designs and behavior analysis in the physical education setting.

**527./427. Physical and Motor Assessment (3)**

Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent. Upper-division undergraduate or Graduate standing.

Includes the selection, evaluation, administration and interpretation of various tests used in the physical and motor assessment practices of individuals with disabilities.

Consent of instructor required for graduate students prior to registration. Requirement toward the Adapted Physical Education Specialist Credential. Upper-division students register in KIN 427; Graduate students register in KIN 527. Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

**528. Promoting Physical Activity and Fitness in K-12 Physical Education (3)**

Prerequisite: Graduate standing; admission to the Master of Arts Program in Pedagogical Studies.

Develop physical education program plans that are in compliance with California State Content Standards for promoting physically active lifestyles and healthy physical fitness levels for all children, including those with special needs.

Letter grade only (A-F).

**529. Positive Youth Development and Physical Activity (3).**

Prerequisites: Graduate Standing; admission to the Master Program in Kinesiology.

Course provides theoretical foundations and practical applications of positive youth development programs in physical activity settings. Emphasis placed on programs that serve youth through physical activity, with special emphasis on promoting levels of personal and social responsibility. (2 hours lecture, 2 hours activity)

Letter grade only (A-F)

**530. Neuromotor Control (3)**

Prerequisites: Graduate standing, KIN 312 or equivalent.

Study of the neurological and muscular contributions to the control of human movement with emphasis on application of concepts to sports, physical activity, and human factors. Instruction is directed toward understanding the fundamental principles of motor control.

Letter grade only (A-F).

**537. Physical Education for Special Populations (3)**

Foundations in the organization and conduct of Adapted Physical Education.

**540. Biomechanical Factors in Human Movement (3)**

Prerequisite: KIN 300 or equivalent.

Study of film, video and force plate data collection for human movement evaluation, including data smoothing techniques. Quantitative kinematic and kinetic analysis examples including gait, jumping and lifting activities. Comparison of 2D versus 3D analyses of movement activities.

Letter grade only (A-F).

**541./441. Applied Biomechanics: Lifting and Work Capacity (3)**

Prerequisite: KIN 300 or equivalent (Trigonometry and PHYS 100A recommended).

Study of the mechanical properties of bone, ligament, tendon and skeletal muscle. Development, description, and application of selected biomechanical models to the evaluation of weight-lifting, rehabilitation exercises, and occupational lifting tasks. Critical analysis of methods used to assess strength.

Letter grade only (A-F).

**551. Advanced Exercise Physiology (3)**

Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent. Advanced concepts in exercise physiology.

Letter grade only (A-F).

**552. Exercise Testing and Training in Health and Disease (3)**

Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent

Physiological principles of exercise testing and exercise training in healthy individuals and patients with diseases such as coronary artery disease.

Letter grade only (A-F).

**553. Environmental Aspects of Human Performance (3)**

Prerequisites: Graduate standing; KIN 301 or equivalent with a grade of "C" or better or consent from the instructor.

Study of the physiological responses and adaptations associated with exposure to environmental stressors including heat, cold, microgravity, air pollution, and elevated and reduced atmospheric pressures. Emphasis will be placed upon physical performance and its limitations under various environmental conditions.

Letter grade only (A-F).

**560. Health Related Problems in Sport (3)**

Prerequisites: KIN 207 and KIN 301 or their equivalents and BIOL 207 and 208 or their equivalents.

Examination of health problems related to engaging in vigorous physical activity.

Letter grade only (A-F).

**561. Musculoskeletal Injuries in Sport (3)**

Prerequisites: KIN 207 and KIN 300 or their equivalents and BIOL 208 or its equivalent.

An in-depth study of the most prevalent musculoskeletal injuries occurring in sports activities, including mechanisms, tissue responses, and management procedures.

Letter grade only (A-F).

**562./462. Advanced Strength and Conditioning (3)**

Prerequisites: KIN 300, KIN 301.

Study of biomechanical and kinesiological factors which are important in understanding the function and proper techniques for execution of a wide variety of standard and advanced weight training exercises. Physiological bases for strength training and adaptations caused by different training regimes are emphasized.

Letter grade only (A-F).

**565./465. Clinical Exercise Electrocardiography (3)**

Prerequisites: BIOL 207, KIN 301, and/or consent of instructor.

Study physiology and patho-physiology of electrical activity of the

heart. Instruction directed toward pattern recognition of normal and abnormal resting and exercise electrocardiograms.

### **566./466. Biochemical and Hormonal Adaptations to Physical Activity (3)**

Prerequisites: Upper-division undergraduate or Graduate standing; KIN 301 or equivalent; CHEM 111A or its equivalent. Consent of instructor required for upper-division undergraduate students prior to registration.

Study of biochemical and hormonal changes that occur as a result of acute and chronic physical activity. Emphasis on application of concepts to development of exercise training programs.

Upper-division undergraduate students register in KIN 466; graduate students register in KIN 566. Letter grade only (A-F). Same course as FCS 566. Not open for credit to students with credit in FCS 566.

### **568./468. Nutrition for Exercise and Performance (3)**

Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.

Explores the role nutrients play in exercise and performance enhancement. Topics include evaluation of energy needs during physical activity, examination of weight management practices, assessment of nutritional status, and investigation of contemporary dietary issues related to exercise.

Letter grade only (A-F). Same course as FCS 568. Not open for credit to students with credit in FCS 568. Open to all graduate Kinesiology students in the Adapted Physical Education, Coaching and Student Athlete Development, Pedagogical Studies (for K-12 teachers), Sport Management, Individualized Studies, Exercise Science, Exercise Physiology and Nutrition, Sport and Exercise Psychology, and Sports Medicine and Injury Studies options and M.S. students in the Nutritional Science without Dietetic Internship, Nutritional Science with Dietetic Internship, and Food Science emphases and/or consent of instructor.

### **572./472. Applied Sport Psychology (3)**

Prerequisites: KIN 339. Open to Sport Psychology and Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

Application of psychological skills and interventions to enhance athletic performance.

Letter grade only (A-F). Graduates register in KIN 572; undergraduates register in KIN 472. A written report is required for KIN 572 students.

### **573. History of Sport in the U.S.A. (3)**

Prerequisite: KIN 335 or equivalent.

An analysis of the history of American sport as it reflects the dominant themes in American society.

### **575./475. Psychology of Coaching (3)**

Prerequisites: KIN 339. Open to Sport Psychology and Leadership students in Kinesiology only, or by consent of instructor or graduate standing.

Current topics of psychological concern and application as related to athletic performance.

Letter grade only (A-F). Graduates register in KIN 575; undergraduates register in KIN 475. A written report is required for KIN 575.

### **577. Sport in U.S. Culture (3)**

Prerequisite: KIN 332 or equivalent.

Analysis of physical activities in U.S. culture. Consideration of the relationships between sports and games and the factors of status, values, environment and cultural change.

### **578./478. Psychological Aspects of Exercise and Fitness (3)**

Prerequisites: KIN 339. Open to Fitness and Sport Psychology and Leadership students in Kinesiology only, or by consent of instructor

or graduate standing.

Philosophical, psychological and behavioral concepts of physical activities and health states will be discussed. Professional standards and invention strategies will be covered.

Letter grade only (A-F).

Graduates register in KIN 578; undergraduates register in KIN 478; A written report is required for KIN 578.

### **580. Computer Applications in Physical Education (3)**

Prerequisites: Graduate standing, consent from instructor. Introduction to computer hardware and software used in Kinesiology including DOS/Windows and Apple Macintosh operating systems.

Topics include: hardware, operating systems, word-processing, spreadsheets, data exchange, presentation graphics/authoring tools, and video capture. Emphasis will be placed on integrating the use of hardware and software into a variety of Physical Education environments.

### **587./487. Supervised Activity Instruction Experience (1-3)**

Prerequisite: Upper division or graduate standing and consent of instructor.

Experience in the organization of and methods for the activity component of a course in kinesiology and physical education.

Undergraduates register in KIN 487; graduates register in KIN 587. A written report is required for KIN 587 students. May be repeated to a maximum of 4 units. Letter grade only (A-F). Restricted to major students only. Not open for credit to graduate students with credit in KIN 487. (Conference 1 hour, Laboratory 2 hours per unit)

### **590. Statistical Analysis and Measurement in Kinesiology and Physical Education (3)**

Prerequisites: EDSE 421, EDSS 450P or EDSS 450W, KIN 483 or equivalent.

Introduces students to the logic and application of basic descriptive and inferential statistics (i.e., correlation, regression, and analysis of variance) and includes a critical analysis of selected research publications.

Required of all master's degree candidates. To be completed within first 12 units of 500-600 series courses.

### **591. Field Studies in Sport Event Management (3)**

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

Practical field-based course requires students to complete 15 hours of classroom seminar instruction and 120 hours of supervised practical experience in a managed sport setting.

Letter grade only (A-F).

### **592A. Sports Management Internship (3)**

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management.

A minimum of 20 hours per week for 16 weeks of supervised work experience in an approved sport management/administrative setting, jointly supervised by a University Faculty member and a supervisor from the assigned organization. May be in a paid or volunteer capacity.

Note: 6 units in one semester may not be taken if student is full-time employed. May be repeated to a maximum of 6 units. Letter grade only (A-F).

### **593A. Coaching Internship (3)**

Prerequisites: Bachelor degree with a major or minor in Kinesiology or Physical Education or an approved related major; advancement to candidacy and approval of Intern Coordinator.

A minimum of 20 hours per week for 16 weeks of supervised work experience in an approved coaching setting, jointly supervised by a University Faculty member and a supervisor from the assigned

organization. May be in a paid or volunteer capacity. Note: 6 units in one semester may not be taken if student is full-time employed.

May be repeated to a maximum of 6 units. Course fee may be required. Letter grade only (A-F).

### **593B. Coaching Internship (6)**

Prerequisites: Bachelor degree with a major or minor in Kinesiology or Physical Education or an approved related major; advancement to candidacy and approval of Intern Coordinator.

A minimum of 40 hours per week for 16 weeks of supervised work experience in an approved coaching setting, jointly supervised by a University Faculty member and a supervisor from the assigned organization. May be in a paid or volunteer capacity. Note: May not be taken if student is full-time employed.

Letter grade only (A-F). Course fee may be required.

### **594./494. Exercise Science Internship (3)**

Prerequisites: Upper division or graduate standing with a grade of "B" or better in KIN 300 for a biomechanics internship or KIN 301 for an exercise physiology internship or KIN 312 for a motor control and learning internship. Consent of instructor required prior to registration.

Provides a minimum of 120 hours of practical experience in applying exercise science concepts in a fieldwork setting. Will provide such experiences as conducting the biomechanical/physiological exercise testing and/or leading the exercise training of selected subject populations such as patients undergoing cardiac rehabilitation, asymptomatic adults, and athletes.

Upper-division undergraduate students register in KIN 494; Graduate students register in KIN 594. Letter grade only (A-F). May be repeated to a maximum of 6 units. Course fee may be required.

### **595./495. Supervised Laboratory Methods (1-3)**

Prerequisites: Upper division or graduate standing and consent of instructor.

Experience in the organization of and methods for a laboratory in kinesiology and physical education. Includes assisting students with their experiments and laboratory reports.

Undergraduates register in KIN 495; graduates register in KIN 595) A written report is required for KIN 595 students. May be repeated to a maximum of 4 units. Letter grade only (A-F). Restricted to Kinesiology major students only. Not open for credit to graduate students with credit in KIN 495. (Conference 1 hour, laboratory 2 hours per unit) May be repeated to a maximum of 4 units.

### **596. Practicum in Physical Education Pedagogy (3)**

Prerequisites: Graduate standing; admission to the Master of Arts Program in Pedagogical Studies.

Students are required to evaluate their teaching and provide documentation that they are addressing all of the physical education standards for individuals ages 3-18 that have been established by the National Board for Teacher Certification (NBPTS).

Letter grade only (A-F).

### **597. Independent Research (1-3)**

Prerequisites: Consent of Kinesiology faculty member and graduate advisor.

Independent research under the guidance of a faculty member. Varied learning activities utilized to achieve competency related to Physical Education not offered in regular classes.

Written report required. Letter grade only (A-F). (Independent Study)

### **630. Seminar in Motor Learning (3)**

Prerequisites: KIN 312 and KIN 696 (may be taken concurrently).

Identification and analysis of motor learning principles and theories applicable to training, learning, and rehabilitation in sport, physical education, recreation, and therapeutic settings.

### **633. Seminar in Sport Psychology (3)**

Prerequisite: KIN 339 or consent of instructor.

Study of psychological theories and their relationship to human behavior in sport and other physical activity settings.

### **638. Seminar in Trends in Adapted Physical Education (3)**

Prerequisites: KIN 537 or equivalent.

An examination and analysis of the current trends in Adapted Physical Education.

### **671. Seminar in Current Trends and Issues in Kinesiology (3)**

Prerequisite: Graduate standing.

Examines current trends and issues in Kinesiology, develop and defend personal perspective on significant issues, and identify problems and develop plans for problem-solution in organizational/professional contexts.

Letter grade only (A-F).

### **694. Capstone in Kinesiology (3)**

Prerequisite: KIN 696 and admission into a Kinesiology graduate program.

Focuses on the process, production, and presentation of research projects in Kinesiology.

Letter grade only (A-F).

### **695. Seminar in Professional Literature (3)**

Prerequisites: Graduate standing; admission into the Graduate Program in Sport Management

Critical analysis and synthesis of professional literature in Kinesiology. Professional portfolio required to be submitted during the class.

Required of all candidates not electing thesis option.

### **696. Research Methods and Statistical Analysis (3)**

Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

Methodological approaches to contemporary problems in Kinesiology, including research design, data collection and analysis, and application of descriptive and inferential statistics.

### **697. Directed Studies (1-3)**

Prerequisites: KIN 696 and advancement to candidacy.

Research in an area of specialization under the direction of a faculty member.

### **698. Thesis/Project (1-6)**

Prerequisites: KIN 696 and advancement to candidacy.

Planning, preparation and completion of an approved thesis/project. May be repeated to a maximum of 6 units with same topic in different semesters.

### **699. Selected Topics in Kinesiology (3)**

Intensive study of salient problems of current professional importance to experienced physical educators.

May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

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## **Athletic Training Courses (ATEP)**

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### **LOWER DIVISION**

#### **207. Prevention and Care of Athletic Injuries (3)**

Prerequisites: Current certification in CPR, AED, and First Aid. Certification must include Adult, Child, and Infant CPR; Conscious and Unconscious Choking for victims of all ages; Automated External Defibrillator (AED), and Basic First Aid.

Corequisite: KIN 201

Principles and techniques of the prevention and care of common athletic injuries.

Not open for credit to students with credit in KIN 207. (Lecture 2 hours, Activity 2 hours).

## UPPER DIVISION

### 304. Clinical Aspects of Athletic Training (3)

Prerequisites: Admission to the Athletic Training program and consent of instructor.

Principles and techniques of related clinical concepts applicable to the athletic training setting. Open to Kinesiology majors in athletic training. Letter grade only (A-F). Not open for credit to students with credit in KIN 304. (Lecture 2 hours, Activity 2 hours).

### 306. Medical Aspects of Athletic Training (3)

Prerequisites: ATEP 490B.

Principles and techniques of related medical concepts applicable to the athletic training setting.

Open to Kinesiology majors in athletic training or consent of instructor. Letter grade only (A-F). Not open for credit to students with credit in KIN 306.

### 308A. Athletic Training Evaluation I (3)

Prerequisite(s): ATEP 304.

Study of athletic training clinical skills required for assessment of pathologies to the lower extremity and lumbar spine. Integrate anatomical knowledge and evaluation techniques to provide a basis for critical decision-making in injury management.

Open to Kinesiology majors in Athletic Training or consent of instructor. Letter grade only (A-F). Not open for credit to students with credit in KIN 308A. (Lecture 2 hours, Activity 2 hours)

### 308B. Athletic Training Evaluation II (3)

Prerequisite: ATEP 308A.

Study of athletic training clinical skills required for assessment of pathologies to the head, face, upper extremity, and cervical spine. Integrate anatomical knowledge and evaluation techniques to provide a basis for critical decision-making in injury management.

Open to Kinesiology majors in Athletic Training or consent of instructor. Letter grade only (A-F). Not open for credit to students with credit in KIN 308B. (Lecture 2 hours, Activity 2 hours)

### 309. Developmental and Therapeutic Exercise (3)

Prerequisites: KIN 300, KIN 301 or consent of instructor.

Principles, techniques, and application of therapeutic exercise programs for managing musculoskeletal conditions. Open to Kinesiology majors in Athletic Training and Fitness or consent of instructor. Letter grade only (A-F). Not open for credit to students with credit in KIN 309. (Lecture 2 hours, Activity 2 hours).

### 310. Therapeutic Approaches in Athletic Training (3)

Prerequisite(s): ATEP 304.

Theory and application of therapeutic modalities and exercise rehabilitation commonly used in athletic training programs.

Not open for credit to students with credit in KIN 310. Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours).

### 407. Management Strategies in Athletic Training (3)

Prerequisite(s): ATEP 490B.

Professional issues, administration, and management strategies of athletic training programs.

Letter grade only (A-F). Not open for credit to students with credit in KIN 407.

### 490A. Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 304; satisfactory completion of CSULB Athletic Training Program Health and Safety requirements; and satisfactory completion of CSULB Athletic Training Program Technical

Standards Form.

First of four semesters. Clinical experiences with formal instruction and evaluation of the Athletic Training Education Competencies. Weekly campus clinical education meeting. Preceptor supervised clinical education (Clinical hour requirement: Minimum of 250 hours / Maximum of 400 hours).

Letter grade only (A-F). Not open for credit to students with credit in KIN 490A. Course fee may be required.

### 490B. Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 490A.

Second of four semesters. Continuation of clinical experiences with formal instruction and evaluation of the Athletic Training Education Competencies. Weekly campus clinical education meeting. Preceptor supervised clinical education (Clinical hour requirement: Minimum of 250 hours / Maximum of 400 hours).

Letter grade only (A-F). Not open for credit to students with credit in KIN 490B. Course fee may be required.

### 490C. Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 490B.

Third of four semesters. Continuation of clinical experiences with formal instruction and evaluation of the Athletic Training Education Competencies. Weekly campus clinical education meeting. Preceptor supervised clinical education (Clinical hour requirement: Minimum of 250 hours / Maximum of 400 hours).

Letter grade only (A-F). Not open for credit to students with credit in KIN 490. Course fee may be required.

### 490D. Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 490C.

Fourth of four semesters. Continuation of clinical experiences with formal instruction and evaluation of the Athletic Training Education Competencies. Weekly campus clinical practicum meeting. Preceptor supervised clinical education (Clinical hour requirement: Minimum of 250 hours / Maximum of 400 hours).

Letter grade only (A-F). Not open for credit to students with credit in KIN 490D. Course fee may be required.

### 490E. Clinical Education in Athletic Training (2)

Prerequisites: Consent of instructor and successful completion of ATEP 490D.

Clinical experiences designed to advance knowledge and skills to become a professional (entry level) certified athletic trainer. Preceptor supervised clinical education (Clinical hour requirement: Minimum of 250 hours / Maximum of 400 hours).

Letter grade only (A-F). Not open for credit to students with credit in KIN 490E. Course fee may be required.

### 491. Seminar in Athletic Training (1)

Prerequisites: Consent of instructor and successful completion of ATEP 490C. Corequisite: ATEP 490D.

Strategies and focus on the acquisition and application of knowledge and skills for integration to clinical practice to transition from a student to professional. Students gain understanding of the Athletic Training Education Competencies, Standards of Practice, National Athletic Trainers Association, Inc., CAATE, and the BOC certification process for athletic trainers.

Letter grade only (A-F).

# MILITARY SCIENCE

College of Health and Human Services

**Program Director:** Major Victor Stephenson

**Program Office:** HSD 108

**Faculty:** Cpt. Abad Hernandez, Sfc. David Neo

**Website:** www.csulbarotc.org

## Career Possibilities

United States Army Officer active duty/reserves/national guard part-time or fulltime, with possible career fields in:

• Aviation • Armor • Nurse Corps • Engineer • Finance • Military Intelligence • Infantry • Ordnance • Medical • Air Defense • Quartermaster • Field Artillery • Chemical • Signal • Transportation

## Introduction

The Army Reserve Officers Training Corps (Army ROTC) is a four-year program. Students desiring to attain a commission as a Second Lieutenant in the U.S. Army must meet eligibility requirements and complete the Military Science/Army ROTC Advanced Course. To be eligible for the Commissioning Program, a student must be enrolled full time (12 units) at CSULB, have at least one and a half years remaining as a university student, be physically qualified, complete the advanced course and graduate prior to reaching their 31st birthday.

## Financial Assistance

Many opportunities for financial assistance are available to students. For further information, please visit the website or visit the program office.

## Equipment and Uniforms

All necessary equipment, uniforms and textbooks for participation in the Military Science/ROTC program are furnished to the student by the United States Government free of charge. Title to this property, other than expendable items, remains with the government.

## Basic Course

The Basic Course is a one to two-year period where students may, without obligation, investigate the ROTC Program and the military as a full- or part-time career. Students may enroll and drop during any semester.

## ROTC Leaders Training Course

Transfer students who plan to participate in the two-year ROTC program need to make their intentions known directly to the Military Science Program no later than May of the year they plan to register at the university.

The government provides a transportation allowance to and from the 30-day Basic Camp and students will receive approximately \$600. No military obligation is incurred as a result of attendance.

## Basic Training

Students who have successfully served on active duty or are members of Reserve or National Guard units, are qualified to enter the Advanced Course dependent on their academic alignment.

## Leader Development/Assessment Course

The Advanced Course is a two-year period. To become a Cadet, students must complete the Basic Course, ROTC Summer Basic Camp, or Basic Training. The Cadet must also make a commitment to attend all required training activities and sign a contract to accept a commission in the United States Army. In return, the Military Science Department will provide \$350 - \$500 a month, classroom instruction, leadership opportunities, and feedback on cadet's leadership progress. A 32-day summer training camp will be provided for assessing and developing the cadet's leadership abilities. Cadets receive pay at the rate of one-half of Second Lieutenant's basic pay. Upon successful completion of the Advanced Course and graduation from the university, cadets will be eligible to be commissioned as a Second Lieutenant in the United States Army.

## Required Related General Education Subjects

1. Written Communications: (Category A) ENGL 100
2. Human Behavior: (Category D) POSC 100
3. Computer Literacy
4. Mathematical Reasoning: (Category B) MATH 103 or MATH 110

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## Courses (M S)

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### LOWER DIVISION

(Open to all University students)

#### 101. Foundations of Officership (1)

Corequisite for ROTC Cadets: MS 101L.

Introduction to issues and competencies that is central to a commissioned officer's responsibilities, including: the Army Profession; personal development; physical well-being, leadership; values and ethics.

Letter grade only (A-F).

#### 101L. Leadership Laboratory (1)

Prerequisite: Accepted as a cadet in the Army ROTC Program; Corequisite: MS 101.

Assists students in transition from a civilian into a cadet. Exposure to Army values and selected military skills. Introduction to Army leadership techniques through basic leadership experiences and assessment.

Credit/No Credit grading only.

#### 102. Basic Leadership (1)

Prerequisite/Corequisite: MS 101 or consent of instructor. Corequisite for ROTC Cadets: MS 102L.

Expands upon topics introduced in MS 101 by focusing on communications, leadership, and problem solving. Course also includes information about the organization of the Army, employment benefits, and work experience of Junior Officers.

Letter grade only (A-F).

#### 102L. Leadership Laboratory (1)

Prerequisites: Accepted as a cadet in the Army ROTC Program; Corequisite: MS 102.

Credit/No Credit grading only. (Activity 2 hours.)

### **201. Individual Leadership Studies (2)**

Prerequisites: MS 101, MS 102 or concurrent enrollment in MS 102.

Corequisite for ROTC Cadets: MS 201L.

Using principles of action, experiential and discovery learning, students face challenging physical and mental tasks, including: personal development, goal setting, communication, problem solving, decision making, leadership, teamwork, group processes, stress management, physical fitness and application of lessons to officership.

Letter grade only (A-F).

### **201L. Leadership Laboratory (2)**

Prerequisite: Accepted as a cadet in the Army ROTC Program;  
Corequisite: MS 201.

Credit/No Credit grading only. (Activity 4 hours.)

### **202. Leadership and Teamwork (2)**

Prerequisite: MS 201 or consent of instructor.

Corequisite for ROTC Cadets: MS 202L.

Continuation of MS 201. Continues to employ the principles of action, experiential, and discovery teaming.

Letter grade only (A-F).

### **202L. Leadership Laboratory (2)**

Prerequisite: Accepted as a cadet in the Army ROTC Program;  
Corequisite: MS 202.

Credit/No Credit grading only. (Activity 4 hours.)

## **UPPER DIVISION**

### **301. Leadership and Problem Solving (3)**

Prerequisites: MS 202 and consent of instructor.

Corequisite for ROTC Cadets: MS 301L.

Enables students with no prior military or cadet experience to learn essential cadet knowledge and skills necessary for the integration into the cadet battalion and successful performance of key cadet tasks. Students are introduced to the Leadership Development Program.

Letter grade only (A-F).

### **301L. Leadership Laboratory (1)**

Prerequisite: Accepted as a cadet in the Army ROTC Program;  
Corequisite: MS 301.

Serve in leadership positions in the military chain of command at squad, platoon, and company levels. Develop and execute unit plans and orders; train other students in basic skill building, teamwork, execute small unit tactics, and prepare for Leadership Development and Assessment Course.

Credit/No Credit grading only.

### **302. Leadership and Ethics (3)**

Prerequisites: MS 301 and consent of instructor.

Corequisite for ROTC Cadets: MS 302L.

Continues the development of students as leaders in foundational areas of leadership, interpersonal communications, values and ethics.

Letter grade only (A-F).

### **302L. Leadership Laboratory (1)**

Prerequisite: Accepted as a cadet in the Army ROTC Program;  
Corequisite: MS 302.

Students serve in leadership positions in military chain of command at squad, platoon and company levels. Develop and execute unit plans and orders; train other students in basic skill building, teamwork, execute small unit tactics, and prepare for the Leadership Development and Assessment Course training and evaluation.

Credit/No Credit grading only.

### **401. Leadership and Management (3)**

Prerequisites: MS 302 and consent of instructor.

Corequisite for ROTC Cadets: MS 401L.

Begin the final transition from cadet to lieutenant. Focus on the Army's training management system, coordinating activities with staff, and counseling skills.

Letter grade only (A-F).

### **401L. Leadership Laboratory (2)**

Prerequisite: Accepted as a cadet in the Army ROTC Program;  
Corequisite: MS 402.

Credit/No Credit grading only. May be repeated to a maximum of 4 units. (Activity 4 hours.)

### **402. Officership (3)**

Prerequisites: MS 302 and consent of instructor.

Corequisite for ROTC Cadets: MS 402L.

Complete transition from cadet to Lieutenant. Examine unit ethical climate and commander's role as moral anchor of unit. Topics include military law and leadership, Army organization, tactical and strategic operations, administrative and logistical management. Includes Leadership Development and Assessment Course Capstone Exercise.

Letter grade only (A-F).

### **402L. Leadership Laboratory (2)**

Prerequisite: Accepted as a cadet in the Army ROTC Program;  
Corequisite: MS 402.

Credit/No Credit grading only. May be repeated to a maximum of 4 units. (Activity 4 hours.)

### **411. U.S. Military History (3)**

Corequisite for ROTC Cadets: MS 401L or MS 402L.

Evolution of the art of war with emphasis placed on the changing nature of warfare as nations adjust to social, political, economic and technological developments.

Letter grade only (A-F).

### **497. Independent Studies (1-3)**

Prerequisites: Consent of Program Director and prior approval of topic.

Individual studies with faculty supervision in an area of Military Science specialization.

Letter grade only (A-F). Limited to a maximum of 3 units per semester. May be repeated to a maximum of 6 units.

# NURSING, SCHOOL OF

College of Health and Human Services

**Director of School of Nursing:** Loucine Huckabay

**Director of Graduate Program:** Ronald Norby

**Director of Undergraduate Program:** Beth Keely

**School Office:** Nursing Building (NUR), Room 60H  
Telephone: (562) 985-4463

**Faculty:** Margaret Brady (Emerita), Lyn Callahan, Natalie Cheffer, Catherine Cummings, Kathryn Deitch (Emerita), Annie Odell, Joy Goebel, Loucine Huckabay, Ahlam Jadalla, Leayn Johnson (Emerita), Beth Keely, Bonnie Kellogg (Emerita), Jarline Ketola, Kholoud Khalil, Farideh Khoiny, David Kumrow, Anthony McGuire, Ruth G. Mullins (Emerita), Barbara J. Nelms, Nancy Oliver (Emerita), Sharon L. Roberts (Emerita), Savitri Singh-Carlson, Judy E. Smith (Emerita), Christine Talmadge (Emerita), Lucy Van Otterloo, Eileen Watson, Barbara White, Pamela Xandre

Students desiring information should contact the school office for dates of opening counseling sessions.

## Career Possibilities

Office Nurse • Nurse Consultant • Public Health Nurse  
• Clinical/Staff Nurse • Industrial Nurse • Private Duty Nurse  
• Home Health Care Nurse • Clinical Specialist • Nurse Practitioner • Armed Forces Officer • Nurse Supervisor • Nursing and Health Systems Executive • Teacher • Training Director • Public Health Education (Some of these, and other careers, require additional education or experience. For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

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## Undergraduate Programs

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### Bachelor of Science in Nursing

This program prepares students to become professional nurses. Two distinct categories of students are eligible for admission: The “basic student” who enters the University without having completed a first level nursing program and the “registered nurse student” who, having completed the first level, desires further study to expand their nursing capabilities to the BSN professional level.

The “basic student” is eligible to take the examination for licensure to practice as a registered nurse upon completion of the program. All graduates are recommended for certification as a public health nurse in the State of California. The program is accredited by the California State Board of Registered Nursing, and the Commission on Collegiate Nursing Education (Commission on Collegiate Nursing Education, 1 Dupont Circle, NW, Suite 530, Washington, DC 20036-1120, phone: 202-887-6791).

### Bachelor of Science in Nursing – Basic (120 units)

#### Admission Under Impaction

Refer to the following website for additional impaction criteria: [http://www.csulb.edu/depts/enrollment/admissions/impacted\\_major.html](http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html).

In order to be considered for transfer admission to the Nursing major, students must complete a series of prerequisite courses: written communication, oral

communication, critical thinking, STAT 108, BIOL 207, BIOL 208, BIOL 201, and CHEM 140. Each course must be completed with a “C” or better grade; when all prerequisites are completed the GPA for the prerequisite courses must be “B” or better (3.0 or better). Applicants to the nursing major are normally admitted by the time they reach junior standing.

#### Degree Progress for Pre-Nursing Majors

Pre-Nursing majors must complete the following requirements within four semesters of being admitted as a Pre-Nursing major or declaring a Pre-Nursing major. Some students may need to take courses during Summer Session to meet these requirements. At the end of the four semesters after Declaration of a Pre-Nursing major, students who have not met the requirements must either declare another major or meet with an Academic Advisor to determine if the student’s performance in the courses merits an additional semester to complete.

At the end of the second semester, pre-nursing students must have a grade of “C” or better in general education certified written communication, oral communication, critical thinking, and STAT 108 courses as well as a combined GPA of 3.0 or better in these prerequisite courses.

Pre-Nursing students with an ELM score that places them in MAPB 1 or MAPB 7 or MAPB 11 may petition for an additional semester.

At the end of the fourth semester, pre-nursing students must have a “C” grade or better in BIOL 207, BIOL 208, CHEM 140, and BIOL 201 as well as a combined GPA of 3.0 or better in these prerequisite courses.

At the end of the fourth semester, Pre-Nursing students must apply to become Nursing majors. Candidates must complete a General Assessment Test and should contact the school to learn how to take the General Assessment Test. In reviewing applications, a personal profile is developed for each applicant based on GPA, in prerequisite courses and the General Assessment Test. The largest weight in the profile is derived from the prerequisite science course GPA, with typical grade point averages for these courses being 3.25 or higher and no grades below a “C.” Candidates with the highest profile scores are selected for admission. It is anticipated that about seventy-two (72) students will be admitted each Fall and Spring semesters from hundreds of applicants.

#### Requirements

Natural Science Prerequisites:

Take all of the following courses:

CHEM 140 General, Organic, and Biochemistry (5)  
Prerequisites: Restricted to Pre-Nursing majors. A grade of “C” or better in MATH 109 or MATH 113 or MATH 117 or MATH 119A or MATH 122 or STAT 108; high school chemistry or equivalent.

BIOL 207 Human Physiology (4)  
Prerequisites: GE Foundation requirements.

BIOL 208 Human Anatomy (4)  
Prerequisites: Grade of “C” or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

BIOL 201 General Microbiology for Health Professional (or equivalent) (4)

Prerequisites: CHEM 111A or CHEM 140 with a grade of "C" or better and GE Foundation requirements.

Prerequisite General Education Courses:

English Composition, STAT 108 (Quantitative Reasoning), Oral Communication, and Critical Thinking

Support courses:

Take all of the following courses:

NUTR 339 Nutrition for Nursing Professionals (3)

Prerequisites: CHEM 140, BIOL 207, admission to the School of Nursing or consent of instructor.

GERN 400 Perspectives on Gerontology (3)

Prerequisites/Corequisites: A GE Foundation course

PSY 100 General Psychology (3)

Prerequisites/Corequisites: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

SOC 100 Principles of Sociology (3)

Prerequisites/Corequisites: A GE Foundation course.

Nursing Courses:

Take all of the following courses:

NRSNG 200 Foundation of Professional Nursing (6)

Prerequisites: Admission to the nursing program. Corequisites: NRSNG 302, NRSNG 305, and NUTR 339, or consent of instructor.

NRSNG 250 Intermediate Medical Surgical Nursing (6)

Prerequisites: NRSNG 200, NRSNG 302, NRSNG 305, and NUTR 339, or consent of instructor. Corequisites: NRSNG 312 and 321, or consent of instructor.

NRSNG 302 Foundations of Clinical Pharmacology (2)

Prerequisites: BIOL 207, 208, CHEM 140, BIOL 201/ MICRO 200 or consent of instructor. Corequisites: NRSNG 200, NRSNG 305 and NUTR 339.

NRSNG 305 Pathophysiology for Nurses (3)

Prerequisites: Admission to the School of Nursing or consent of instructor. Corequisites: NRSNG 200, NRSNG 302 and NUTR 339.

NRSNG 312 Health Assessment (3)

Prerequisites: Basic students : NRSNG 200, NRSNG 302, NRSNG 305, and NUTR 339, or consent of instructor. RN to BSN students: NRSNG 309 or consent of instructor.

Corequisites: Basic students: NRSNG 250 and NRSNG 321, or consent of instructor.

NRSNG 321 Health Care of the Childbearing Family (6)

Prerequisites: NRSNG 200, NRSNG 302, NRSNG 305, NUTR 339 or consent of instructor. Corequisites: NRSNG 250 and NRSNG 312, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

NRSNG 331 Advanced Acute Care Nursing (5)

Prerequisites: NRSNG 250, NRSNG 312 and NRSNG 321 or consent of instructor.

Corequisites: NRSNG 341 and GERN 400, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

NRSNG 341 Psychiatric/Mental Health Nursing (6)

Prerequisites: PSY 100, SOC 100, NRSNG 250, NRSNG 312, NRSNG 321 or consent of instructor.

Corequisites: NRSNG 331, GERN 400 or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

NRSNG 353 Legal Aspects of Health Care (2)

Prerequisites: NRSNG 331, NRSNG 341, and GERN 400, or consent of instructor. Corequisites: NRSNG 361 and NRSNG 402, or consent of instructor.

NRSNG 361 Child Health Care (6)

Prerequisites: NRSNG 331, NRSNG 341, and GERN 400 or consent of instructor.

Corequisites: NRSNG 353 and NRSNG 402, or consent of

instructor. Satisfactory level ATI testing including remediation as appropriate.

NRSNG 402 Community Health Nursing (6)

Prerequisites: NRSNG 331, NRSNG 341, and GERN 400 or consent of instructor; for RNs NRSNG 305, NRSNG 312, or consent of instructor. Corequisites: NRSNG 361, NRSNG 353, or consent of instructor.

NRSNG 450 Nursing Research (3)

Prerequisites: NRSNG 353, NRSNG 361, and NRSNG 402 or consent of instructor. Corequisites: NRSNG 452 or NRSNG 453 or NRSNG 454, NRSNG 456 and NRSNG 458.

NRSNG 456 Health Care Delivery Systems and Nursing Leadership (3)

Prerequisites: NRSNG 353, NRSNG 361, and NRSNG 402, or consent of instructor.

Corequisites: NRSNG 450, NRSNG 452 or NRSNG 453 or NRSNG 454, or consent of instructor

NRSNG 458 NCLEX-RN Preparatory Course (1)

Prerequisites: NRSNG 361, NRSNG 402, and NRSNG 353.

Corequisites: NRSNG 450, NRSNG 456 and NRSNG 452 or NRSNG 453 or NRSNG 454.

Select one of the following:

NRSNG 452 Senior Concentration in Critical Care (6)

Prerequisites: NRSNG 353, NRSNG 361, and NRSNG 402, or consent of instructor.

Corequisites: NRSNG 450, NRSNG 456, and NRSNG 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

NRSNG 453 Senior Concentration in Maternal Child Health (6)

Prerequisites: NRSNG 353, NRSNG 361, and GERN 400, or consent of instructor.

Corequisites: NRSNG 450, NRSNG 456, and NRSNG 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

NRSNG 454 Senior Concentration in Selected Populations (6)

Prerequisites: NRSNG 353 and NRSNG 402, or consent of instructor.

Corequisites: NRSNG 450, NRSNG 456, and NRSNG 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Criminal background check, health insurance, immunizations, medical clearance, and malpractice insurance are required for clinical coursework.

To be recommended to the California Board of Registered Nursing (BRN) to take the licensure exam as a Registered Nurse, students must successfully complete the RN Prelicensure Exit Assessment. The results of this assessment will not impact the conferring of the bachelor's degree.

## **Bachelor of Science in Nursing – Registered Nurse (120 units)**

### **Admission**

Registered Nurse Applicants are required to apply for admission to the University and do the following:

1. Hold a current license or be eligible for license to practice in California;
2. Graduation from an Accredited Associate Degree program or evaluation of diploma program for equivalency by an Accredited Associate Degree program;
3. Have 56 to 70 transferable units including statistics and chemistry (Chemistry 140 preferred);
4. Maintain malpractice and health insurance throughout clinical coursework and submit to a criminal background check;



5. Attend a group counseling session for RN students and complete the RN application form;
6. Submit official transcripts of any previous college work to the School of Nursing;
7. Fulfill the Graduation Writing Assessment Requirement (GWAR) either prior to admission or within the first semester in the program.

Graduates of diploma schools of nursing are urged to seek information/admission to a community college that offers the opportunity to earn academic credit for a diploma nursing program.

### Requirements

Prerequisites: Satisfactory completion of an undergraduate statistics course suitable for general education math credit and a inorganic, organic, and/ or biochemistry course (CHEM 140 or combined 5 units chemistry course is preferred).

Take all of the following:

**NRS 305 Pathophysiology for Nurses (3)**

Prerequisites: Admission to the School of Nursing or consent of instructor. Corequisites: NRS 200, NRS 302 and NUTR 339.

**NRS 309 Dimensions of Professional Nursing (2)**

Prerequisites: Basic Student: Admission to the ADN to BSN program. Support courses: CHEM 140, NRS 305.

**NRS 312 Health Assessment (3)**

Prerequisites: Basic students: NRS 200, NRS 302, NRS 305, and NUTR 339, or consent of instructor. RN to BSN students: NRS 309 or consent of instructor.

Corequisites: Basic students: NRS 250 and NRS 321, or consent of instructor.

**NRS 402 Community Health Nursing (6)**

Prerequisites: NRS 331, NRS 341, and GERN 400 or consent of instructor; for RNs NRS 305, NRS 312, or consent of instructor. Corequisites: NRS 353 and NRS 361, or consent of instructor.

**NRS 450 Nursing Research (3)**

Prerequisites: NRS 353, NRS 361, and NRS 402 or consent of instructor. Corequisites: NRS 452 or NRS 453 or NRS 454, NRS 456 and NRS 458.

**NRS 456 Health Care Delivery Systems and Nursing Leadership (3)**

Prerequisites: Basic students: NRS 353, NRS 361, and NRS 402, or consent of instructor.

Corequisites: NRS 450, NRS 452 or NRS 453 or NRS 454, or consent of instructor

Take one of the following:

**NRS 452 Senior Concentration in Critical Care (6)**

Prerequisites: Basic students: NRS 353, NRS 361, and NRS 402, or consent of instructor.

Corequisites: NRS 450, NRS 456, and NRS 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

**NRS 453 Senior Concentration in Maternal Child Health (6)**

Prerequisites: Basic students: NRS 353, NRS 361, and GERN 400, or consent of instructor.

Corequisites: NRS 450, NRS 456, and NRS 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

**NRS 454 Senior Concentration in Selected Populations (6)**

Prerequisites: Basic students: NRS 353 and NRS 402, or consent of instructor.

Corequisites: NRS 450, NRS 456, and NRS 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Up to 21 units will be awarded by examination for demonstration of prior learning by passing the CA NCLEX Examination

### Course of Study

A specific combination of general education, prerequisites, nursing and elective courses totaling 120 units for the basic program and the R.N. program are required for graduation. All nursing courses in the nursing program must be taken in sequence. Admission to the first course is by application which will be accepted upon successful attainment of the criteria listed above. The last date to file applications for each semester will be available in the School of Nursing. Progress in the nursing major requires that students maintain a cumulative 2.0 GPA on all units attempted and attain a minimum of a "C" grade in each of the nursing courses as well as all required support courses. The student who earns less than a grade of "C" must repeat that course prior to being admitted to the next course in the nursing course sequence. A nursing course may be repeated one time. A break in the sequence of nursing courses necessitates readmission on a space-available basis.

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## Graduate Programs

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### Master of Science in Nursing

This degree is available to qualified students who desire advanced studies. The program is approved by the Board of Registered Nursing, and accredited by the Commission on Collegiate Nursing Education (1 Dupont Circle, NW, Suite 530, Washington, DC, 20036-1120, phone: 202-887-6791).

A Master of Science (MS) degree in Nursing is offered for the following specialties: Nurse Practitioner (Adult-Gerontology Acute Care, Adult-Gerontological Primary Care, Family, Pediatric Primary Care, Psychiatric-Mental Health, and Women's Health).

#### Nurse Practitioner Concentration

Specialty Areas: Family, Pediatric Primary Care, Adult-Gerontological Primary Care, Women's Health, Psychiatric-Mental Health (Across the lifespan), and Adult-Gerontology Acute Care.

#### Prerequisites

1. A bachelor's degree in nursing preferred: A bachelor's degree in a related field will be considered;
2. Current unrestricted license to practice as a registered nurse in California;
3. Admission to graduate standing in nursing at the University;
4. A college level course in statistics;
5. A physical assessment course which includes clinical practice, must have been taken within last five years;
6. An upper division or graduate level course in pathophysiology;
7. An upper division community health nursing course with lab for non-BSN applicants;
8. An overall GPA of 3.0 or better in the undergraduate program.
9. Graduate Record Exam (GRE) Analytical Writing

Section only at a score 4.0 to be completed prior to the application. Results to be sent to the School of Nursing (SON) at CSULB, and a copy attached with the SON application. The GRE must have been completed within 5 years of the SON application.

### Advancement to Candidacy

1. Satisfy the general University requirements for advancement to candidacy;
2. Completion of all undergraduate deficiencies;
3. Approval of the school graduate director and Associate Dean of the College of Health and Human Services.

### Requirements

1. Completion of a minimum of 30-47 units in approved upper division and graduate courses;
2. An overall GPA of 3.0 or better.

### Core Courses

For all Nurse Practitioner specialties, take the following courses:

- NRSRG 510 Advanced Pathophysiology for Advanced Practice Nursing (3)  
Prerequisites: Admission to the graduate nursing program and completion of upper division pathophysiology course, or consent of instructor.
- NRSRG 520 Advanced Pharmacology for Advanced Practice Nursing (3)  
Prerequisites: Admission to the graduate nursing program, or consent of instructor.
- NRSRG 530 Advanced Physical Assessment for Advanced Practice Nursing (2)  
Prerequisites: Admission to the graduate nursing program and completion of basic physical assessment course, or consent of instructor. Corequisite: NRSRG 530L.
- NRSRG 530L Advanced Physical Assessment Laboratory for Advanced Practice Nurses (1)  
Prerequisites: Admission to graduate program or consent of instructor. Corequisites: NRSRG 530.
- NRSRG 540 Health Care Economics, Policy, and Management for Advanced Practice Nursing (2)  
Prerequisites: Admission to the graduate nursing program, or consent of instructor.
- NRSRG 550 Human Diversity and Psychosocial Issues in Health Care for Advanced Practice Nursing (2)  
Prerequisites: Admission to the graduate nursing program, or consent of instructor.
- NRSRG 560 Foundations of Theoretical and Professional Roles in Advanced Practice Nursing (2)  
Prerequisites: Admission to the graduate nursing program, or consent of instructor.
- NRSRG 596 Research for Advanced Nursing Practice (3)  
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

For Pediatric Primary Care Nurse Practitioner specialty only, take the following courses in lieu of NRSRG 530:

- NRSRG 535 Advanced Pediatric Physical Assessment and Health Promotion (2)  
Prerequisites: Admission to the Pediatric Primary Care nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRSRG 535L.
- NRSRG 535L Advanced Pediatric Physical Assessment Laboratory (1)  
Prerequisites: Admission to the Pediatric Primary Care nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRSRG 535.

## Specialty Courses

### Adult-Gerontological Acute Care Nurse Practitioner Specialty

Adult-Gerontological Acute Care Nurse Practitioner Theory Courses:

NRSRG 660: Adult-Gerontological Acute Care Theories for Advanced Practice Nursing I (3)  
Prerequisites: Admission to AGACNP program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, 560, 596 or consent of instructor. Corequisites: NRSRG 660A, 660B.

NRSRG 661: Adult-Gerontological Acute Care Theories for Advanced Practice Nursing II (3).  
Prerequisites: Admission to AGACNP program and NRSRG 660, NRSRG 660A, NRSRG 660B, or consent of instructor. Corequisites: NRSRG 661A, NRSRG 661B.

Adult-Gerontological Acute Care Nurse Practitioner Clinical Courses:

NRSRG 660A: Adult-Gerontological Acute Care Clinical Studies in Advanced Practice Nursing I (3) Prerequisites: Admission to AGACNP program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596 or consent of instructor. Corequisites: NRSRG 660, NRSRG 660B.

NRSRG 660B: Adult-Gerontological Acute Care Clinical Studies in Advanced Practice Nursing II (3)  
Prerequisites: Admission to AGACNP program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596 or consent of instructor. Corequisites: NRSRG 660, NRSRG 660A.

NRSRG 661A: Adult-Gerontological Acute Care Clinical Studies in Advanced Practice Nursing III (3)  
Prerequisites: Admission to AGACNP program and NRSRG 660, NRSRG 660A, NRSRG 660B, or consent of instructor. Corequisites: NRSRG 661, NRSRG 661B.

NRSRG 661B Adult-Gerontological Acute Care Clinical Studies in Advanced Practice Nursing IV (3)  
Prerequisites: Admission to AGACNP program and NRSRG 660, NRSRG 660A, NRSRG 660B, or consent of instructor.

### Adult-Gerontological Primary Care Nurse Practitioner Specialty

Adult-Gerontological Primary Care Nurse Practitioner Theory Courses:

NRSRG 630 Adult-Geriatric Theories for Advanced Practice Nursing I (3)  
Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596 and clinical pre-test, or departmental consent required.  
Corequisites: NRSRG 630A, NRSRG 630B.

NRSRG 631 Adult-Geriatric Theories for Advanced Practice Nursing II (3)  
Prerequisites: NRSRG 630, NRSRG 630A, NRSRG 630B, or departmental consent required.  
Corequisites: NRSRG 631A, NRSRG 631B.

Adult-Gerontological Primary Care Nurse Practitioner Clinical Courses:

NRSRG 630A Adult-Geriatric Clinical Studies in Advanced Practice Nursing I (3)  
Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596 and clinical pre-test, or departmental consent required.  
Corequisites: NRSRG 630, NRSRG 630B.

NRSRG 630B Adult-Geriatric Clinical Studies in Advanced Practice Nursing II (3)  
Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540,

NRS 550, NRS 560, NRS 596 and clinical pre-test, or consent of instructor.

Corequisites: NRS 630, NRS 630A.

**NRS 631A Adult-Geriatric Clinical Studies in Advanced Practice Nursing III (3)**

Prerequisites: NRS 630, NRS 630A, NRS 630B, or departmental consent required.

Corequisites: NRS 631, NRS 631B.

**NRS 631B Adult-Geriatric Clinical Studies in Advanced Practice Nursing IV (3)**

Prerequisites: NRS 630, NRS 630A, NRS 630B, or departmental consent required.

Corequisites: NRS 631, NRS 631A.

**Family Nurse Practitioner Specialty**

**Family Nurse Practitioner Theory Courses:**

**NRS 620 Family Theories for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560, NRS 596 and clinical pre-test, or consent of instructor. Corequisites: NRS 620A, NRS 620B.

**NRS 621 Family Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRS 620, NRS 620A, NRS 620B, or consent of instructor. Corequisites: NRS 621A, NRS 621B.

**Family Nurse Practitioner Clinical Courses:**

**NRS 620A Family Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560, NRS 596 and clinical pre-test, or consent of instructor. Corequisites: NRS 620, NRS 620B.

**NRS 620B Family Clinical Studies for Advanced Practice Nursing II (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560 and NRS 596, or consent of instructor. Corequisites: NRS 620, NRS 620A.

**NRS 621A Family Clinical Studies for Advanced Practice Nursing III (3)**

Prerequisites: NRS 620, NRS 620A, NRS 620B, or consent of instructor. Corequisites: NRS 621, NRS 621B.

**NRS 621B Family Clinical Studies for Advanced Practice Nursing IV (3)**

Prerequisites: NRS 620, NRS 620A, NRS 620B, or consent of instructor. Corequisites: NRS 621, NRS 621A.

**Pediatric Primary Care Nurse Practitioner Specialty**

**Pediatric Nurse Practitioner Theory Courses:**

**NRS 650 Pediatric Theories for Advanced Practice Nursing I (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596. Corequisites: NRS 650A and NRS 650B.

**NRS 651 Pediatric Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRS 650, NRS 650A, NRS 650B. Corequisites: NRS 651A and NRS 651B.

**NRS 652 Pediatric Theories for Advanced Practice Nursing III (3)**

Prerequisites: NRS 651, NRS 651A, NRS 651B. Corequisites: NRS 652A.

**Pediatric Primary Care Nurse Practitioner Clinical Courses:**

**NRS 650A Pediatric Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596 or consent of instructor. Corequisites: NRS 650 and NRS

650B.

**NRS 650B Pediatric Clinical Studies for Advanced Practice Nursing II (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596 or consent of instructor. Corequisites: NRS 650 and NRS 650A.

**NRS 651A Pediatric Clinical Studies for Advanced Practice Nursing III (3)**

Prerequisites: NRS 650, NRS 650A, and NRS 650B. Corequisites: NRS 651 and NRS 651B.

**NRS 651B Pediatric Clinical Studies for Advanced Practice Nursing IV (3)**

Prerequisites: NRS 650, NRS 650A, and NRS 650B. Corequisites: NRS 651 and NRS 651A.

**NRS 652A Pediatric Clinical Studies for Advanced Practice Nursing V (3)**

Prerequisites: NRS 651, NRS 651A, NRS 651B. Corequisites: NRS 652.

**Psychiatric-Mental Health Nurse Practitioner (Across the Life Span) Specialty**

**Psychiatric-Mental Health Nurse Practitioner (Across the Life Span) Theory Courses:**

**NRS 640 Psychiatric-Mental Health Theory Across the Lifespan for Advanced Practice Nursing I (3)**

Prerequisites: Admission to PMHNP program; completion of NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560 and NRS 596, or consent of instructor.

Corequisite(s): Corequisite: NRS 640A, NRS 643

**NRS 641 Psychiatric-Mental Health Theory for Adults and Elderly for Advanced Practice Nursing III (3)**

Prerequisites: Admission to PMHNP program; completion of NRS 640, NRS 640A, & NRS 643, or consent of instructor. Corequisite: NRS 641A & NRS 641B.

**NRS 642 Psychiatric-Mental Health Theory for Children and Adolescents for Advanced Practice Nursing IV (3)**

Prerequisites: Admission to PMHNP program and NRS 641, NRS 641A, NRS 641B or consent of instructor. Corequisites: NRS 642A, NRS 642B.

**NRS 643 Advanced Psychopharmacology for Psychiatric-Mental Health Theory Across the Lifespan for Advanced Practice Nursing II (3)**

Prerequisites: Admission to graduated nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560 and NRS 596, or consent of instructor. Corequisites: NRS 640, NRS 640A, NRS 640B.

**Psychiatric-Mental Health Nurse Practitioner (Across the Lifespan) Clinical Courses:**

**NRS 640A Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560 and NRS 596, or consent of instructor.

Corequisites: NRS 640, NRS 643.

**NRS 641A Psychiatric-Mental Health Clinical Studies for Adults for Advanced Practice Nursing IV (3)**

Prerequisites: Admission to PMHNP program; completion of NRS 640, NRS 640A, NRS 643 or consent of instructor.

Corequisite: NRS 641 & NRS 641B.

**NRS 641B Psychiatric-Mental Health Clinical Studies for**

Elderly for Advanced Practice Nursing V (3)  
Prerequisites: Admission to PMHNP program; completion of NRSG 640, NRSG 640A, NRSG 643 or consent of instructor.  
Corequisite: NRSG 641 & NRSG 641A.

NRSG 642A Psychiatric-Mental Health Clinical Studies for Children for Advanced Practice Nursing IV (3)  
Prerequisites: Admission to the PMHNP program and completion of NRSG 641, NRSG 641A and NRSG 641B, or consent of instructor. Corequisites: NRSG 642, NRSG 642B.

NRSG 642B Psychiatric-Mental Health Clinical Studies for Adolescents for Advanced Practice Nursing V (3)  
Prerequisites: Admission to the PMHNP program and completion of NRSG 641, NRSG 641A and NRSG 641B, or consent of instructor. Corequisites: NRSG 642, NRSG 642A.

## Women's Health Nurse Practitioner Specialty

Women's Health Nurse Practitioner Theory Courses:

NRSG 610 Women's Health Theories for Advanced Practice Nursing I (3)  
Prerequisites: Admission to graduate nursing program and NRSG 510, NRSG 520, NRSG 530, NRSG 530L, NRSG 540, NRSG 550, NRSG 560 and NRSG 596, or consent of instructor. Corequisites: NRSG 610A, NRSG 610B.

NRSG 611 Women's Health Theories for Advanced Practice Nursing II (3)  
Prerequisites: Admission to the graduate nursing program and NRSG 610, NRSG 610A, NRSG 610B, or consent of instructor. Corequisites: NRSG 611A, NRSG 611B.

NRSG 612 Women's Health Theories for Advanced Practice Nursing III (3)  
Prerequisites: NRSG 611, NRSG 611A, NRSG 611B.  
Corequisite: NRSG 612A.

Women's Health Nurse Practitioner Clinical Courses:

NRSG 610A Women's Health Clinical Studies for Advanced Practice Nursing I (3)  
Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSG 510, NRSG 520, NRSG 530, NRSG 530L, NRSG 540, NRSG 550, NRSG 560 and NRSG 596, or consent of instructor. Corequisites: NRSG 610, NRSG 610B.

NRSG 610B Women's Health Clinical Studies for Advanced Practice Nursing II (3)  
Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSG 510, NRSG 520, NRSG 530, NRSG 530L, NRSG 540, NRSG 550, NRSG 560 and NRSG 596, or consent of instructor. Corequisites: NRSG 610, NRSG 610A.

NRSG 611A Women's Health Clinical Studies for Advanced Practice Nursing III (3)  
Prerequisites: Admission to the graduate nursing program and NRSG 610, NRSG 610A, NRSG 610B, or consent of instructor. Corequisites: NRSG 611, NRSG 611B.

NRSG 611B Women's Health Clinical Studies for Advanced Practice Nursing IV (3)  
Prerequisites: Admission to the graduate nursing program and NRSG 610, NRSG 610A, NRSG 610B, or consent of instructor. Corequisites: NRSG 611, NRSG 611A.

NRSG 612A. Women's Health Clinical Studies for Advanced Practice Nursing V (3)  
Prerequisites: Admission to the graduate nursing program, NRSG 611, NRSG 611A, and NRSG 611B. Corequisite: NRSG 612.

### For all Nurse Practitioner specialties:

Take one of the following culminating courses:

NRSG 692 Nursing Directed Project (1-3)  
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596 and consent of

school graduate advisor.

NRSG 695 Professional Literature (3)  
Prerequisites: NRSG 510, NRSG 520, NRSG 530 or NRSG 535, NRSG 530L or NRSG 535L, NRSG 540, NRSG 550, NRSG 560, NRSG 596, theory and clinical course series for one of the Nurse Practitioner or CNS specialties, and advancement to candidacy, or consent of instructor and graduate advisor.

NRSG 698 Thesis (1-3) (Note: In order to satisfy the culminating activity requirement (thesis, project, or comprehensive examination dependent upon the program), students must earn at least three (3) units and no more than six (6) units related to the completion of the culminating activity.)  
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596, consent of school graduate advisor.

## Nursing and Health Systems Executive Management Concentration

### Prerequisites

1. A bachelor's degree in nursing preferred: A bachelor's degree in a related field will be considered;
2. Current unrestricted license to practice as a registered nurse in California;
3. Admission to graduate standing in nursing at the University;
4. A college level course in statistics;
5. An upper division public health nursing course with lab for non-BSN applicants;
6. An overall GPA of 3.0 or better in the undergraduate program.
7. Graduate Record Exam (GRE) Analytical Writing Section only at a score 4.0 to be completed prior to the application. Results to be sent to the School of Nursing (SON) at CSULB, and a copy attached with the SON application. The GRE must have been completed within 5 years of the SON application.

### Advancement to Candidacy

1. Satisfy the general University requirements for advancement to candidacy;
2. Completion of all undergraduate deficiencies;
3. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
4. Approval of the school graduate director and Associate Dean of the College of Health and Human Services.

### Requirements

1. Completion of a minimum of 30 units in approved upper division and graduate courses;
2. An overall GPA of 3.0 or better.

### Core Courses

For Nursing and Health systems Executive Management

Administration Concentration, take the following courses:

HCA 515 Advanced Financial Management in Healthcare (3).  
Prerequisites: ACCT 201 or ACCT 500; HCA 502; Health Care Administration majors only.

NRSG 559 Foundations for Nursing and Health Systems Executive Management (3)  
Prerequisites: None.

NRS 596 Research for Advanced Nursing Practice (3)  
Prerequisites: Admission to the graduate nursing program and upper division statistics, or consent of instructor.

**Nursing and Health Systems Executive Management Theory Courses:**

NRS 676 Organizing and Structuring Optimal Healing Environments (3)  
Prerequisite(s): Admission to the NHSEM program, NRS 559  
Corequisite(s): Concurrent Enrollment in NRS 676L

NRS 677 Human Resources and Professional Relationships in Nursing and Health Systems (3)  
Prerequisite(s): Admission to the NHSEM program, NRS 559  
Corequisite(s): Concurrent Enrollment in NRS 677L

NRS 678 Continuous Quality Improvement in Nursing and Health Systems (3)  
Prerequisite(s): Admission to the NHSEM program, NRS 559  
Corequisite(s): Concurrent Enrollment in NRS 678L

NRS 679 Nursing and Health Systems Governance and Population-Based Care Delivery (3)  
Prerequisites Admission to the NHSEM program, NRS 559

**Nursing and Health systems Executive Management Administration Clinical Courses:**

NRS 676L Practicum In Organizing and Structuring Optimal Healing Environments (3)  
Prerequisite(s): Admission to the NHSEM program, NRS 559  
Corequisite(s): Concurrent Enrollment in NRS 676.

NRS 677L Practicum In Human Resources and Professional Relationships In Nursing and Health Systems (3)  
Prerequisite(s): Admission to the NHSEM program, NRS 559.  
Corequisite(s): Concurrent Enrollment in NRS 677.

NRS 678L Practicum In Continuous Quality Improvement in Nursing and Health Systems (3)  
Prerequisite(s): Admission to the NHSEM program, NRS 559  
Corequisite(s): Concurrent Enrollment in NRS 678.

**Take the following culminating course:**

NRS 693 Executive Management Project (3)  
Prerequisites: Advancement to candidacy and completion of 21 graduate units.

## Graduate Certificate in Nursing Education

The Nursing Education Certificate Program consists of 18-19 units of specific coursework that prepares nurses who have completed a Master of Nursing degree to be effective educators in either a health care service agency, a community, and/or an academic setting. Students will develop both theoretical and practical expertise in the educational field. The Certificate in Nursing Education can be completed concurrently with a Master's Degree or separately as a post-master's certificate.

### Admission

1. Application to CSULB for the Post-Master's Certificate
2. Current unrestricted license as a registered nurse
3. Graduate standing in a Nursing Master's program or completed Master's degree in Nursing from an accredited institution

## Requirements

### Core (13 units):

Take all of the following courses:

NRS 556A Conditions of Learning and Instruction in Nursing (3)  
Prerequisite: None

NRS 556B Curriculum Development in Nursing (3)  
Prerequisite: None

NRS 556C Microteaching in Nursing (3)  
Prerequisites: Graduate standing; NRS 556A and NRS 556B

NRS 556L Theoretical Concepts in Nursing Education: Proactive Teaching (4)  
Prerequisite: NRS 556A or consent of instructor

Two electives (5-6 units) selected in consultation with the coordinator such as:

ETEC 535, ETEC 510, ETEC 525, ETEC 551, ETEC 570

NRS 502, NRS 551A, NRS 551B, NRS 559

## Graduate Certificate Nurse Practitioner

This certificate is awarded to students who complete 32-38 units of post-masters course work in one of the Nurse Practitioner specialty areas. Applications from students who hold a masters degree in nursing as a nurse practitioner will be reviewed individually.

This certificate program is eligible for Financial Aid. Please see the department web site for required Federal disclosure information.

### Prerequisites

1. Copies of transcripts of Baccalaureate in Nursing and Masters in Nursing degrees.
2. Copy of unrestricted State of California RN licensure.
3. Three letters/checklists of references
4. Completion of the School of Nursing Graduate Program Application and university application.

### Requirements

1. Completion of a minimum of 32-38 units in approved upper division and graduate courses;
2. An overall GPA of 3.0 or better.

### Core Courses

For all Certificate in Nurse Practitioner specialties, take the following courses:

NRS 510 Advanced Pathophysiology for Advanced Practice Nursing (2)  
Prerequisites: Admission to the graduate nursing program and completion of upper division pathophysiology course, or consent of instructor.

NRS 520 Advanced Pharmacology for Advanced Practice Nursing (3)  
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

NRS 540 Health Care Economics, Policy, and Management for Advanced Practice Nursing (2)  
Prerequisites: Admission to graduate nursing program or consent of instructor.

NRS 550 Human Diversity and Psychosocial Issues in Health Care for Advanced Practice Nursing (2)  
Prerequisites: Admission to graduate nursing program or consent of instructor.

NRS 560 Foundations of Theoretical and Professional Roles for Advanced Practice Nurses (2)  
Prerequisites: Admission to graduate nursing program or

instructor consent.

For Family, Adult-Gerontological Primary Care, Women's Health, and Psychiatric-Mental Health Nurse Practitioner specialties, take the following additional core courses:

**NRS 530 Advanced Physical Assessment for Advanced Practice Nursing (2)**

Prerequisites: Admission to the graduate nursing program and completion of basic physical assessment course, or consent of instructor. Corequisite: NRS 530L.

**NRS 530L Advanced Physical Assessment Laboratory for Advanced Practice Nurses (1)**

Prerequisites: Admission to graduate program or consent of instructor. Corequisites: NRS 530.

For Pediatric Primary Care Nurse Practitioner specialty only, take the following additional core courses:

**NRS 535 Advanced Pediatric Physical Assessment and Health Promotion (2)**

Prerequisites: Admission to the Pediatric Primary Care nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRS 535L.

**NRS 535L Advanced Pediatric Physical Assessment Laboratory (1)**

Prerequisites: Admission to the Pediatric Primary Care nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRS 535.

## Specialty Courses

### Family Nurse Practitioner Specialty

Family Nurse Practitioner Theory Courses:

**NRS 620 Family Theories for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560 and NRS 596, or consent of instructor. Corequisites: NRS 620A, NRS 620B.

**NRS 621 Family Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRS 620, NRS 620A, NRS 620B, or consent of instructor. Corequisites: NRS 621A, NRS 621B.

Family Nurse Practitioner Clinical Courses:

**NRS 620A Family Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560, NRS 596 and clinical pre-test, or consent of instructor. Corequisites: NRS 620, NRS 620B.

**NRS 620B Family Clinical Studies for Advanced Practice Nursing II (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560 and NRS 596, or consent of instructor. Corequisites: NRS 620, NRS 620A.

**NRS 621A Family Clinical Studies for Advanced Practice Nursing III (3)**

Prerequisites: NRS 620, NRS 620A, NRS 620B, or consent of instructor. Corequisites: NRS 621, NRS 621B.

**NRS 621B Family Clinical Studies for Advanced Practice Nursing IV (3)**

Prerequisites: NRS 620, NRS 620A, NRS 620B, or consent of instructor. Corequisites: NRS 621, NRS 621A.

### Pediatric Primary Care Nurse Practitioner Specialty

Pediatric Primary Care Nurse Practitioner Theory

Courses:

**NRS 650 Pediatric Theories for Advanced Practice Nursing I (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596. Corequisites: NRS 650A and NRS 650B.

**NRS 651 Pediatric Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRS 650, NRS 650A, NRS 650B. Corequisites: NRS 651A and NRS 651B.

**NRS 652 Pediatric Theories for Advanced Practice Nursing III (3)**

Prerequisites: NRS 651, NRS 651A, NRS 651B. Corequisites: NRS 652A.

Pediatric Primary Care Nurse Practitioner Clinical

Courses:

**NRS 650A Pediatric Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596 or consent of instructor. Corequisites: NRS 650 and NRS 650B.

**NRS 650B Pediatric Clinical Studies for Advanced Practice Nursing II (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596. Corequisites: NRS 650 and NRS 650A.

**NRS 651A Pediatric Clinical Studies for Advanced Practice Nursing III (3)**

Prerequisites: NRS 650, NRS 650A, and NRS 650B. Corequisites: NRS 651 and NRS 651B.

**NRS 651B Pediatric Clinical Studies for Advanced Practice Nursing IV (3)**

Prerequisites: NRS 650, NRS 650A, and NRS 650B. Corequisites: NRS 651 and NRS 651A.

**NRS 652A Pediatric Clinical Studies for Advanced Practice Nursing V (3)**

Prerequisites: NRS 651, NRS 651A, NRS 651B. Corequisites: NRS 652.

### Adult-Gerontological Primary Care Nurse Practitioner Specialty

Adult-Gerontological Primary Care Nurse Practitioner

Theory Courses:

**NRS 630 Adult-Gerontological Primary Care Theories for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560, NRS 596 and clinical pre-test, or departmental consent required. Corequisites: NRS 630A, NRS 630B.

**NRS 631 Adult-Gerontological Primary Care Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRS 630, NRS 630A, NRS 630B, or departmental consent required. Corequisites: NRS 631A, NRS 631B.

Adult-Gerontological Primary Care Nurse Practitioner

Clinical Courses:

**NRS 630A Adult-Gerontological Primary Care**

**Clinical Studies for Advanced Practice Nursing I (3)**  
Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560, NRS 596 and clinical pre-test, or departmental consent required.

Corequisites: NRS 630, NRS 630B.

### NRSRG 630B Adult-Gerontological Primary Care

Clinical Studies for Advanced Practice Nursing II (3)  
Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596 and clinical pre-test, or consent of instructor.

Corequisites: NRSRG 630, NRSRG 630A.

### NRSRG 631A Adult-Gerontological Primary Care Clinical Studies for Advanced Practice Nursing III (3)

Prerequisites: NRSRG 630, NRSRG 630A, NRSRG 630B, or departmental consent required.

Corequisites: NRSRG 631, NRSRG 631B.

### NRSRG 631B Adult-Gerontological Primary Care Clinical Studies for Advanced Practice Nursing IV (3)

Prerequisites: NRSRG 630, NRSRG 630A, NRSRG 630B, or departmental consent required.

Corequisites: NRSRG 631, NRSRG 631A.

## Psychiatric-Mental Health Nurse Practitioner Specialty

Psychiatric-Mental Health Nurse Practitioner Theory Courses:

### NRSRG 640 NRSRG 640. Psychiatric-Mental Health Theories for Advanced Practice Nursing I (3)

Prerequisites: Admission to PMHNP program; completion of NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor.

Corequisite(s): Corequisite: NRSRG 640A, NRSRG 643.

### NRSRG 641 Psychiatric-Mental Health Theory for Adults and Elderly for Advanced Practice Nursing III (3)

Prerequisites: Admission to PMHNP program; completion of NRSRG 640, NRSRG 640A, & NRSRG 643, or consent of instructor.

Corequisite: NRSRG 641A & NRSRG 641B.

Psychiatric-Mental Health Nurse Practitioner Clinical Courses:

### NRSRG 640A Psychiatric-Mental Health Across the Lifespan Clinical Studies for Advanced Practice Nursing I (3)

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor.

Corequisites: NRSRG 640, NRSRG 643.

### NRSRG 640B Psychiatric-Mental Health Clinical Studies Across the Life Span for Advanced Practice Nursing II (3)

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or departmental consent required.

Corequisites: NRSRG 640, NRSRG 640A.

### NRSRG 641A Psychiatric-Mental Health Clinical Studies for Adults for Advanced Practice Nursing IV (3)

Prerequisites: Admission to PMHNP program; completion of NRSRG 640, NRSRG 640A, NRSRG 643 or consent of instructor.

Corequisite: NRSRG 641 & NRSRG 641B.

### NRSRG 641B Psychiatric-Mental Health Clinical Studies for Elderly for Advanced Practice Nursing V (3)

Prerequisites: Admission to PMHNP program; completion of NRSRG 640, NRSRG 640A, NRSRG 643 or consent of instructor.

Corequisite: NRSRG 641 & NRSRG 641A.

## Women's Health Nurse Practitioner Specialty

Women's Health Nurse Practitioner Theory Courses:

### NRSRG 610 Women's Health Theories for Advanced Practice Nursing I (3)

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor. Corequisites: NRSRG 610A, NRSRG 610B.

### NRSRG 611 Women's Health Theories for Advanced Practice Nursing II (3)

Prerequisites: Admission to the graduate nursing program, and NRSRG 610, NRSRG 610A, NRSRG 610B, or consent of instructor. Corequisites: NRSRG 611A, NRSRG 611B.

### NRSRG 612 Women's Health Theories for Advanced Practice Nursing III (3)

Prerequisites: NRSRG 611, NRSRG 611A, NRSRG 611B. Corequisite: NRSRG 612A.

Women's Health Nurse Practitioner Clinical Courses:

### NRSRG 610A Women's Health Clinical Studies for Advanced Practice Nursing I (3)

Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor. Corequisites: NRSRG 610, NRSRG 610B.

### NRSRG 610B Women's Health Clinical Studies for Advanced Practice Nursing II (3)

Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor. Corequisites: NRSRG 610, NRSRG 610A.

### NRSRG 611A Women's Health Clinical Studies for Advanced Practice Nursing III (3)

Prerequisites: Admission to the graduate nursing program and NRSRG 610, NRSRG 610A, NRSRG 610B, or consent of instructor. Corequisites: NRSRG 611, NRSRG 611B.

### NRSRG 611B Women's Health Clinical Studies for Advanced Practice Nursing IV (3)

Prerequisites: Admission to the graduate nursing program and NRSRG 610, NRSRG 610A, NRSRG 610B, or consent of instructor. Corequisites: NRSRG 611, NRSRG 611A.

### NRSRG 612A. Women's Health Clinical Studies for Advanced Practice Nursing V (3)

Prerequisites: Admission to the graduate nursing program, NRSRG 611, NRSRG 611A, and NRSRG 611B. Corequisite: NRSRG 612.

## Doctor of Nursing Practice Program

The Doctorate of Nursing Practice is offered through the Southern California CSU DNP Consortium including the campuses of CSU Fullerton, CSU Long Beach, and CSU Los Angeles. The DNP is a professional practice degree designed to prepare advanced practice nurses for complex practice and leadership roles in the clinical setting as well as teaching roles at California's community colleges and at the California State University. Students admitted into the program will be able to draw on faculty expertise across three large institutions. Speciality areas include: Anesthesia, Clinical Nurse Specialist, Management/Administration/Leadership, Midwifery, Nurse Practitioner, and Community Health Nursing.

The DNP program is a rigorous academic experience designed to prepare nurses to assume the highest levels of nursing professional practice. In addition to developing advanced competencies in evidence-based practice, leadership, health policy and advocacy, graduates will develop in-depth skills in a focused area of nursing practice. Students will complete a total of 1,000 clinical hours in

practicum experience. Enrollment for this joint CSU program is through CSU Fullerton. Consult the CSU Fullerton catalog for admission procedures and requirements, course descriptions and degree requirements.

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## Courses (NRSG)

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### LOWER DIVISION

#### 199. Special Topics (3)

Overview of health care professions with a primary focus on the nursing profession, including, nursing history, educational preparation and the roles of nurses, ethics, patients' and nurses' Bill of Rights, medical terminology and math for health care professions.

Letter grade only (A-F). Course fee may be required.

#### 200. Foundations of Professional Nursing (6)

Prerequisites: Admission to the Nursing program. Proof of clinical safety compliance must be presented to the School of Nursing office prior to the first day of classes for permission to register. Go to the School of Nursing Undergraduate Handbook located at ([www.csulb.edu/colleges/chhs/departments/nursing/](http://www.csulb.edu/colleges/chhs/departments/nursing/)) for compliance details.

Corequisites: NRSG 302, NRSG 305, and NUTR 339, or consent of instructor.

Support Courses: SOC 100 or PSY 100.

Introduction to physical and social science principles which provide basis for beginning level nursing theory and practice within the framework of nursing process, self care, and evidence based practice. Guided utilization of theory and skill in a clinical laboratory.

Letter grade only (A-F). Course fee may be required. (Lecture-discussion 3 hours, laboratory 9 hours)

#### 250. Intermediate Medical Surgical Nursing (6)

Prerequisites: NRSG 200, NRSG 302, NRSG 305 and NUTR 339, or consent of instructor.

Corequisites: NRSG 312 and NRSG 321, or consent of instructor. Support Courses: SOC 100 or PSY 100.

Application of recognized physical and social science principles and current research findings to intermediate level nursing theory. Guided laboratory experience to assist in gaining skills in application of selected nursing process activities in simulation and in direct patient care.

Letter grade only (A-F). Course fee may be required. (Lecture-discussion 3 hours, laboratory 9 hours)

#### 260. Older Adult Health Care (4)

Prerequisites: NRSG 200, NRSG 202, NRSG 302, NRSG 305, NUTR 339, or consent of instructor. Proof of clinical safety compliance must be presented to the School of Nursing office prior to the first day of classes for permission to register. Go to the School of Nursing Undergraduate Handbook located at: [www.csulb.edu/colleges/chhs/departments/nursing/](http://www.csulb.edu/colleges/chhs/departments/nursing/) for compliance details.

Corequisites: NRSG 250, NRSG 312, or consent of instructor. Support Courses: SOC 100 or PSY 100.

Study of unique needs of aging population. Focus on health promotion and delivery of care. Application of nursing process and evidence based practice in caring for aging clients in a variety of settings.

Letter grade only (A-F). (Lecture-discussion 2 hours, laboratory 6 hours) Course fee may be required.

### UPPER DIVISION

#### 302. Foundations of Clinical Pharmacology (2)

Prerequisites: BIOL 207, BIOL 208, CHEM 140, BIOL 201/MICR 200 or consent of instructor.

Corequisites: NRSG 200, NRSG 305 and NUTR 339.

Systematic study of medications used for major body system disorders, their pharmacologic and therapeutic classifications, modes of action, dosages, routes of administration, contraindications and toxic effects. Special emphasis is placed on clinical nursing implications and patient teaching.

Letter grade only (A-F).

#### 305. Pathophysiology for Nurses (3)

Prerequisite: Admission to the School of Nursing or consent of instructor.

Corequisites: NRSG 200, NRSG 302, and NUTR 339.

Study of the pathogenesis with an emphasis on pathophysiological processes, understanding disease trajectory and interventions to limit disease progression. The nurses' role in reducing morbidity and mortality and communicating with patients regarding the pathology of their illness will be covered.

Letter grade only (A-F). (Lecture-Discussion 3 hours) Not open for credit to students with credit in BIOL 304.

#### 309. Dimensions of Professional Nursing (2)

Prerequisite: Admission to the ADN to BSN program.

Support courses: CHEM 140, NRSG 305.

Focuses on analysis of transition from a technical to a professional baccalaureate prepared nurse. Content includes: program and University orientation, role changes, ethics, dimensions of nursing, and training in completion of a research based paper and presentation.

Letter grade only (A-F). (Lecture-Discussion) Course fee may be required.

#### 312. Health Assessment (3)

Prerequisites: Basic students : NRSG 200, NRSG 302, NRSG 305, and NUTR 339, or consent of instructor. RN to BSN students: NRSG 309 or consent of instructor.

Corequisites: Basic students: NRSG 250 and NRSG 321, or consent of instructor.

Support Courses: SOC 100 or PSY 100.

Provides opportunity to learn and apply techniques of history taking and physical examination which are used by nurses in identification of patient problems. Includes demonstration and practice of physical assessment methodology.

Letter grade only (A-F). (Lec-discussion 2 hrs, activities/lab 3 hrs) Course fee may be required.

#### 321. Health Care of the Childbearing Family (6)

Prerequisites: NRSG 200, NRSG 302, NRSG 305, and NUTR 339, or consent of instructor.

Corequisites: NRSG 250 and NRSG 312, or consent of instructor.

Satisfactory level ATI testing including remediation as appropriate.

Theory and application of health care for pregnant/parenting families from pre-conception to newborn care including health promotion and disease prevention and/or treatment. Obstetric, gynecologic and family health is explored within the context of cultural, psychosocial influences, and evidence based practice.

Letter grade only (A-F). Not open to students with credit in NRSG 372. (Lecture-discussion 3 hours, laboratory 9 hours) Course fee may be required.



### **331. Advanced Acute Care Nursing (5)**

Prerequisites: NRSNG 250, NRSNG 312 and NRSNG 321 or consent of instructor.

Corequisites: NRSNG 341 and GERN 400, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Advanced study of complex acute conditions. Integration of theoretical knowledge and clinical applications to provide comprehensive evidence based nursing care to diverse populations of patients and families in a variety of acute care settings including medical-surgical and critical care units.

Letter grade only (A-F). (Lecture-discussion 2 hours, Lab 9 hours) Course fee may be required.

### **341. Psychiatric/Mental Health Nursing (6)**

Prerequisites: PSY 100, SOC 100, NRSNG 250, NRSNG 312, NRSNG 321 or consent of instructor.

Corequisites: NRSNG 331, GERN 400 or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Application and integration of evidence based care for clients with psychiatric mental health challenges, including psychosocial concepts, cultural, ethical, and legal influences; and wellness of individuals and family groups. Development of professional role in psychiatric/mental health nursing.

Letter grade only (A-F). (Lecture-discussion 3 hours, lab 9 hours) Course fee may be required.

### **353. Legal Aspects of Health Care (2)**

Prerequisites: NRSNG 331, NRSNG 341, and GERN 400, or consent of instructor.

Corequisites: NRSNG 361 and NRSNG 402, or consent of instructor.

Presents legal duties and responsibilities of nurses in delivery of health care services. Professional licensure regulations, scope of nursing practice, and ethical issues related to nursing practice are emphasized.

Letter grade only (A-F). Course fee may be required.

### **361. Child Health Care (6)**

Prerequisites: NRSNG 331, NRSNG 341, and GERN 400, or consent of instructor.

Corequisites: NRSNG 353 and NRSNG 402, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Foundational basis of care for pediatric patients from birth to adolescence based on developmental theory and evidence based practice. Assessment of physical, psychological, and cultural issues while planning, implementing, and evaluating age appropriate nursing care for well and ill children.

Letter grade only (A-F). (Lecture-discussion 3 hours, Lab 9 hours) course fee may be required.

### **402. Community Health Nursing (6)**

Prerequisites: NRSNG 331, NRSNG 341, and GERN 400, or consent of instructor; for RNs NRSNG 305, NRSNG 312, or consent of instructor.

Corequisites: NRSNG 361 and NRSNG 353, or consent of instructor.

Focuses on diverse aggregates and populations to impact health and/or quality of life as it relates to individuals/families, populations, and systems. Emphasis on prevention and the greater good of the community/population, including disaster.

Letter grade only (A-F). (Lecture discussion 4 hours, 9 hours lab) Course fee may be required.

### **450. Nursing Research (3)**

Prerequisites: NRSNG 353, NRSNG 361, and NRSNG 402 or consent of instructor.

Corequisites: NRSNG 452 or NRSNG 453 or NRSNG 454, NRSNG 456 and NRSNG 458.

Emphasizes application of research theory to evidence-based nursing practice, including ethics in nursing research and research process.

Letter grade only (A-F). (Lecture-Discussion) Course fee may be required.

### **451. Nursing Leadership and Management (2)**

Prerequisites: NRSNG 400, NRSNG 402.

Corequisites: NRSNG 450, NRSNG 452 or NRSNG 453 or NRSNG 454. Satisfactory level ATI testing including remediation as appropriate.

Principles of leadership and management as they apply to front line management positions in healthcare. Emphasis on understanding role and responsibilities of professional nurse as leader and manager of patient care services within a variety of settings.

Letter grade only (A-F). (Lecture-Discussion). Not open for credit to students with credit in NRSNG 450L. Course fee may be required.

### **452. Senior Concentration in Critical Care (6)**

Prerequisites: NRSNG 353, NRSNG 361, and NRSNG 402, or consent of instructor.

Corequisites: NRSNG 450, NRSNG 456, and NRSNG 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Provides advanced theoretical concepts and clinical experiences in critical care arenas with application of management/leadership theories to selected populations. Integration of evidence-based practice and critical care nursing knowledge requisite to professional roles will be the focus of this course.

Letter grade only (A-F). Course fee may be required. Students are to complete 180 clinical hours to obtain credit for the clinical portion of the class.

### **453. Senior Concentration in Maternal Child Health (6)**

Prerequisites: NRSNG 353, NRSNG 361, and GERN 400, or consent of instructor.

Corequisites: NRSNG 450, NRSNG 456, and NRSNG 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Provides advanced theoretical concepts and clinical experiences in maternal child nursing in select populations. Provides opportunities to integrate evidence based practice and maternal child nursing knowledge critical to new professional roles.

Letter grade only (A-F). Course fee may be required. Students are to complete 180 clinical hours to obtain credit for the clinical portion of the class.

### **454. Senior Concentration in Selected Populations (6)**

Prerequisites: NRSNG 353 and NRSNG 402, or consent of instructor.

Corequisites: NRSNG 450, NRSNG 456, and NRSNG 458, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Provides advanced theoretical concepts and clinical experiences in a variety of nursing specialties with application of management/leadership theories to select populations. Integration of evidence based practice and nursing knowledge critical to new professional roles.

Letter grade only (A-F). Course fee may be required. Students are to complete 180 clinical hours to obtain credit for the clinical portion of the class.

### **456. Health Care Delivery Systems and Nursing Leadership (3)**

Prerequisites: NRSNG 353, NRSNG 361, and NRSNG 402, or consent of instructor.

Corequisites: NRSNG 450, NRSNG 452 or NRSNG 453 or NRSNG 454, or consent of instructor.

Study of how politics, economics, ethics, societal needs, and international issues impact the American healthcare system. Advocacy, organizational management and leadership theories and models are analyzed as they relate to the role of the baccalaureate nurse in healthcare delivery.

Not open to students with credit in NRSNG 400. Letter grade only (A-F). Course fee may be required.

### **458. NCLEX-RN Preparatory Course (1)**

Prerequisites: NRSB 361, NRSB 402, and NRSB 353.  
Corequisites: NRSB 450, 456 and NRSB 452 or NRSB 453 or NRSB 454.

Provides the student with competencies and strategies to enhance transition from student to baccalaureate prepared nurse. Students gain understanding of the role of the National Council of State Boards of Nursing (NCSBN) in developing and administering the RN licensing examination.

Credit/No Credit grading only. Credit reflects work at the level of "B" or better.

### **481. Parenting (3)**

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

Effective parenting with emphasis on common parenting concerns and developmental tasks of parents and children.

Course fee may be required.

### **482. Health Assessment of the Aging Client (3)**

Prerequisites: GERN 400 or equivalent and upper standing or consent of instructor.

Assessment of physical, psycho-social status of aging client as they affect health and well being, and identification of actual or potential health related problems using a variety of tools and techniques.

Same course as GERN 482. Not open for credit to students with credit in GERN 482. (Lecture-Discussion, 3 hrs.)

### **490. Independent Study (1-3)**

Prerequisite: Consent of any nursing faculty. Students who have made arrangements with a faculty advisor for appropriate learning objectives may enroll.

May be repeated to a maximum of 6 units. Course fee may be required.

### **499./599. Selected Topics in Nursing (1-3)**

Prerequisite: Consent of instructor.

Topics consistent with contemporary nursing or curricular trends.

May be repeated to a maximum of 3 units with different topics. Topics announced in the *Schedule of Classes*. Course fee may be required.

## **GRADUATE LEVEL**

### **502. Genetics in Nursing Practice (3)**

Prerequisites: Senior standing or graduate standing or consent of instructor.

Overview of genetics implications for nurses as they provide health services to clients of all ages, diverse ethnic, cultural, life-style and geographic areas. Explores basic mechanisms of genetic inheritance and impact that genetics has on health promotion, disease prevention and policy implications.

Letter grade only (A-F). Course fee may be required.

### **510. Advanced Pathophysiology for Advanced Practice Nursing (2)**

Prerequisites: Admission to the graduate nursing program and completion of upper division pathophysiology course, or consent of instructor.

Advanced pathophysiology principles underlying disturbances of human functioning, homeostatic mechanisms, cellular disturbances and the effect of environmental disruptive events on organ and system functions occurring throughout the lifespan.

Letter grade only (A-F). (Lecture-Activity) Course fee may be required.

### **511A. Advanced Pathophysiology for Clinical Nurse Specialists (2)**

Prerequisite: Admission to the Acute Care Adult CNS graduate nursing program or consent of instructor.

Presents the principles underlying the disturbance of human functional and homeostatic mechanisms. Disturbances at the cellular level are explored to enable the student to build an understanding of resultant aberrant organ and system function.

Letter grade only (A-F). Course fee may be required.

### **520. Advanced Pharmacology for Advanced Practice Nursing (3)**

Prerequisites: Admission to the graduate nursing program, or consent of instructor.

Deals with use of drugs in providing perinatal care, family planning services and/or routine health care.

Letter grade only (A-F). Course fee may be required.

### **521A. Advanced Pharmacology for Clinical Nurse Specialists (CNS) (3)**

Prerequisite: Admission to the Acute Care Adult CNS graduate nursing program.

Designed to provide advanced knowledge about pharmacological agents utilized in the management of a variety of acute care clinical situations. Content will focus on the role of CNS.

Letter grade only (A-F). Course fee may be required.

### **530. Advanced Physical Assessment for Advanced Practice Nursing (2)**

Prerequisites: Admission to the graduate nursing program and completion of basic physical assessment course, or consent of instructor.

Corequisite: NRSB 530L.

Designed for advanced practice nurses and a prerequisite to each specialty track. Through classroom instruction, web based instruction and self-assessment, and on-site clinical review and practice, advanced assessment and diagnostic skills are developed.

Letter grade only (A-F). Course fee may be required.

### **530L. Advanced Physical Assessment Laboratory for Advanced Practice Nurses (1)**

Prerequisites: Admission to graduate program or consent of instructor.

Corequisites: NRSB 530.

Application of theoretical knowledge of advanced physical assessment in supervised settings.

Credit/No Credit grading only. (Technical activities/lab 3 hours)

### **535. Advanced Pediatric Physical Assessment and Health Promotion (2)**

Prerequisites: Admission to the Pediatric Primary Care nurse practitioner program or school nurse credential program or consent of the instructor.

Corequisites: NRSB 535L.

Theoretical content for the Pediatric Primary Care nurse practitioner and school nurse related to advanced pediatric health assessment and promotion. Developmental, cultural, spiritual, and psychosocial dimensions of the child and family are incorporated throughout the assessment process.

Letter grade only (A-F). Course fee may be required.

### **535L. Advanced Pediatric Physical Assessment Laboratory (1)**

Prerequisites: Admission to the Pediatric Primary Care nurse practitioner program or school nurse credential program or consent of the instructor.

Corequisites: NRSB 535.

Application of theoretical knowledge of advanced pediatric physical assessment in supervised clinical settings appropriate to the specialty of the advanced practice nursing student.

Letter grade only (A-F). (Clinic off-campus, 3 hours)

### **536. Theories and Practice of School Nursing (3)**

Prerequisites: Admission to the School Nurse Credential Program, NRS 535, CD 353 or CD 531 and HSC 430, or consent of instructor.

Corequisites: NRS 536L.

Presents theoretical content and methods of process which are applicable to the clinical practice of the School Nurse.

Letter grade only (A-F). Course fee may be required.

### **536L. School Nursing Clinical (3)**

Prerequisites: Admission to the School Nurse Credential Program, NRS 535, CD 353 or CD 531 and HSC 430, or consent of instructor.

Corequisites: NRS 536.

Clinical component of the school nurse program. Students will demonstrate the application of theory within the school setting. Focus is on the implementation of the role of the school nurse.

Credit/No Credit grading only. (Activity/Laboratory 9 hours) Course fee may be required.

### **540. Health Care Economics, Policy and Information Management for Advanced Practice Nursing (2)**

Prerequisites: Admission to graduate nursing program or consent of instructor.

Designed to provide an understanding of the economic and health policy environment of U.S. healthcare system. Principles of economics, organizational theory, health policy, advocacy, informatics and technology are applied within the context of advanced practice nursing.

Letter grade only (A-F). (Lecture-Discussion) Course fee may be required.

### **550. Human Diversity and Psychosocial Issues in Health Care for Advanced Practice Nursing (2)**

Prerequisites: Admission to graduate nursing program or consent of instructor.

Focus on advanced practice nursing roles in providing culturally-appropriate care to individuals, families, groups, and communities with diverse backgrounds. Patterns of human interaction that influence health and quality of life are analyzed. Contemporary issues in diversity are explored.

Letter grade only (A-F). (Lecture-Discussion) Course fee may be required.

### **551A. Spanish Language Competency for Advanced Nursing Practice (3)**

Prerequisite: Consent of instructor.

Provides foundational knowledge and skills to enable advanced practice nurse (APN) to learn and apply principles of cultural competency and Spanish language skills to role of nurse practitioner in conducting a health history and physical assessment for diverse Spanish speaking populations.

Course fee may be required.

### **551B. Spanish Language Competency for Advanced Nursing Practice (3)**

Prerequisite: NRS 551A or consent of instructor.

Principles of cultural competency and Spanish language skills for diagnosing and treating Spanish speaking patients: focuses on hematology, musculoskeletal II, cardiovascular, neurology, dermatology I & II, family violence/substance abuse, nutrition/weight management, developmental disorders, genetics, mental health, ophthalmology, and infectious diseases.

Course fee may be required.

### **556A. Conditions of Learning and Instruction in Nursing (3)**

Application of theories of learning and instruction to patient/student teaching-learning situations. Content covered includes conditions of learning, models of instruction, transfer of learning, behavior modification techniques, variables influencing learning and instruction, and evaluation of instruction.

Letter grade only (A-F). Course fee may be required.

### **556B. Curriculum Development in Nursing (3)**

Systematic study of principles of curriculum development as they apply to different types of nursing programs. Focuses on relationship among philosophy, objectives, selection and organization of learning experiences and evaluative process.

Letter grade only (A-F). Course fee may be required.

### **556C. Microteaching in Nursing (3)**

Prerequisites: Graduate standing; NRS 556A and 556B.

Focuses on instructional skills and the application of instruction in the practice of nursing within a microteaching laboratory setting. Supervised teaching situations are used to practice educational strategies specific to nursing education settings.

Letter grade only (A-F).

### **556L. Theoretical Concepts in Nursing Education: Practice Teaching (4)**

Prerequisites: NRS 556A or consent of instructor.

Application of instructional skills and theories of learning in professional nursing settings. Working in actual supervised teaching situations, students practice skills that can be utilized in a variety of educational situations.

Letter grade only (A-F). Course fee may be required.

### **559. Foundations for Nursing and Health Systems Executive Management (3)**

Overview of contemporary theories and issues in nursing and health systems economics and management including implementation of health policy at facility, community, state and national levels. Key administrative functions of the nurse as health systems manager are also addressed.

Letter grade only (A-F). Course fee may be required.

### **560. Foundations of Theoretical and Professional Roles for Advanced Practice Nurses (2)**

Prerequisites: Admission to graduate nursing program or instructor consent.

Study of theoretical frameworks and professional roles influencing advanced practice nursing. Analyze and implement major theoretical frameworks for advanced practice. Begin dynamic process of role development by exploring role boundaries and collaborative practice.

Letter grade only (A-F). (Lecture-Discussion) Course fee may be required.

### **565. Theories of Community/Public Health Advanced Nursing Practice (3)**

Prerequisites: Admission to graduate nursing program and NRS 560, or consent of instructor.

Health care system and policy implementation for aggregates, communities. Population health and global health care issues, ethical issues, and health care policies will be explored in order to provide an insight into how the current populations experience health and well-being.

Letter grade only (A-F). (Seminar 3 hours) Course fee may be required.

### **590. Independent Study (1-3)**

Prerequisite: Consent of a nursing faculty member.

Independent research under supervision of a nursing faculty member.

Letter grade only (A-F). Course fee may be required.

### **596. Research for Advanced Nursing Practice (3)**

Prerequisites: Admission to the graduate nursing program and upper division statistics, or consent of instructor.

Application of the research process to advanced nursing practice, including problem identification, literature review, ethical issues, design, data collection and analysis, interpretation and dissemination of findings, emphasizing the translation of evidence into clinical practice.

Letter grade only (A-F). (Lecture-Discussion) Course fee may be required.

### **599./499. Selected Topics in Nursing (1-3)**

Prerequisite: Consent of instructor.

Topics consistent with contemporary nursing or curricular trends.

Letter grade only (A-F). May be repeated to a maximum of 3 units with different topics. Topics announced in the *Schedule of Classes*. Course fee may be required.

### **600. Theories for Advanced Practice Nursing in Adult-Gerontological Clinical Nurse Specialist I: Patient/Family (3)**

Prerequisites: NRSF 510, NRSF 520, NRSF 530, NRSF 530L, NRSF 540, NRSF 550, NRSF 560, NRSF 596, NRSF 556A, NRSF 556B, NRSF 556C or departmental consent required.  
Corequisites: NRSF 600L.

Emphasis is on the Clinical Nurse Specialist's (CNS) sphere of influence impacting health outcomes of diverse patients with multiple, complex health problems and their families by developing advanced competencies necessary for the management of multiple therapeutic interventions.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSF 673.

### **600L. Clinical Studies in Adult-Gerontological Clinical Care for the CNS I: Patient/Family (3)**

Prerequisites: NRSF 600 or departmental consent required.  
Corequisites: NRSF 600.

Focuses on implementation of CNS roles of teacher, expert clinician, manager of care, and research in a variety of acute and chronic care settings. Sphere of influence is primarily patient and family related.

Letter grade only (A-F). Not open for credit to students with credit in NRSF 673L. Course fee may be required.

### **601. Theories for Advanced Practice Nursing in Adult-Gerontological Clinical Nurse Specialist II: Staff Development (3)**

Prerequisites: NRSF 600, NRSF 600L, or departmental consent required.  
Corequisites: NRSF 601L.

Deals with the development of advanced skills and competencies in the management of staff development, educational programs, motivation, consultation, and personnel ethics as they apply to the CNS's sphere of influence in staff development.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSF 674.

### **601L. Clinical Studies in Adult-Gerontological Clinical Care for the CNS II: Staff Development (3)**

Prerequisites: NRSF 600, NRSF 600L, or departmental consent required.  
Corequisites: NRSF 601.

Focuses on the clinical implementation of the CNS roles of educator, expert clinician, manager of care, and researcher in a variety of acute and chronic care settings as they apply to the CNS's sphere of influence in staff development.

Letter grade only (A-F). Not open for credit to students with credit in NRSF 674L. Course fee may be required.

### **602. Theories for Advanced Practice Nursing in Adult-Gerontological Clinical Nurse Specialist III: Organizational Systems (3)**

Prerequisites: NRSF 601, NRSF 601L, or departmental consent required.  
Corequisites: NRSF 602L.

Focuses on development of advanced skills and competencies in CNS roles as managers of care, change agents, consultants and teachers in a variety of acute and chronic care settings as they apply to CNS's sphere of influence in organizational systems.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSF 675.

### **602L. Clinical Studies in Adult-Gerontological Clinical Care for the CNS III: Organizational Systems (3)**

Prerequisites: NRSF 601, NRSF 601L, or departmental consent required.  
Corequisites: NRSF 602.

Focuses on clinical implementation of CNS roles as managers of care, change agents, consultants and teachers in a variety of acute and chronic care settings as they apply to CNS's sphere of influence in organizational

systems.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSF 675L.

### **610. Women's Health Theories for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRSF 510, NRSF 520, NRSF 530, NRSF 530L, NRSF 540, NRSF 550, NRSF 560 and NRSF 596, or consent of instructor.  
Corequisites: NRSF 610A, NRSF 610B.

Epidemiology, etiology, differential diagnoses, management, and prevention of common health problems of women with a focus on the role of the nurse practitioner in health promotion, health protection, disease prevention in ambulatory health care settings.

Letter grade only (A-F). Not open for credit to students with credit in NRSF 667.

### **610A. Women's Health Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSF 510, NRSF 520, NRSF 530, NRSF 530L, NRSF 540, NRSF 550, NRSF 560 and NRSF 596, or consent of instructor.  
Corequisites: NRSF 610, NRSF 610B.

One of two courses designed to allow students to apply theoretical knowledge and laboratory skills to manage common gynecologic health problems of women incorporating the health promotion, health protection, and disease prevention focus of nurse practitioner practice.

Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSF 667A.

### **610B. Women's Health Clinical Studies for Advanced Practice Nursing II (3)**

Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSF 510, NRSF 520, NRSF 530, NRSF 530L, NRSF 540, NRSF 550, NRSF 560 and NRSF 596, or consent of instructor.  
Corequisites: NRSF 610, NRSF 610A.

One of two courses designed to allow students to apply theoretical knowledge and laboratory skills to provide screening and preventive healthcare for women and healthcare for women experiencing normal pregnancies with a focus on the role of the nurse practitioner.

Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSF 667B.

### **611. Women's Health Theories for Advanced Practice Nursing II (3)**

Prerequisites: Admission to the graduate nursing program and NRSF 610, NRSF 610A, NRSF 610B, or consent of instructor.  
Corequisites: NRSF 611A, NRSF 611B.

Epidemiology, etiology, differential diagnoses, management, and prevention of complex health problems of women before, during, and after the childbearing cycle in ambulatory health care settings with a focus on the role of the nurse practitioner.

Letter grade only (A-F). Not open for credit to students with credit in NRSF 668.

### **611A. Women's Health Clinical Studies for Advanced Practice Nursing III (3)**

Prerequisites: Admission to the graduate nursing program and NRSF 610, NRSF 610A, NRSF 610B, or consent of instructor.  
Corequisites: NRSF 611, NRSF 611B.

One of two courses designed to apply theoretical knowledge and laboratory skills in the management of complex health problems of women before, during, and after the childbearing cycle in ambulatory health care settings. Emphasizes the role of the nurse practitioner in gynecology.

Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSF 668A.

### **611B. Women's Health Clinical Studies for Advanced Practice Nursing IV (3)**

Prerequisites: Admission to the graduate nursing program and NRSRG 610, NRSRG 610A, NRSRG 610B, or consent of instructor.  
Corequisites: NRSRG 611, NRSRG 611A.

One of two courses designed to allow the student to apply the knowledge and skills of caring for complex health problems of women before, during, and after the childbearing cycle in ambulatory health care settings with a focus on the role of the nurse practitioner. This clinical course focuses on obstetrics.

Letter grade only (A-F). Not open for credit to students with credit in NRSRG 668B.

### **612. Women's Health Theories for Advanced Practice Nursing III (3)**

Prerequisites: NRSRG 611, NRSRG 611A, NRSRG 611B.  
Corequisite: NRSRG 612A.

Epidemiology, etiology, differential diagnoses, management, and prevention of multifaceted health problems of women before, during, and after the childbearing cycle in ambulatory health care settings with a focus on the role of the nurse practitioner.

Letter grade only A-F. (3 hours discussion)

### **612A. Women's Health Clinical Studies for Advanced Practice Nursing V (3)**

Prerequisites: Admission to the graduate nursing program, NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor.  
Corequisite: NRSRG 612.

Designed to allow students the opportunity to apply theoretical knowledge of multifaceted women's health problems in supervised clinical practice in ambulatory health care settings with a focus on the role of the women's health nurse practitioner.

Letter grade only (A-F).

### **620. Family Theories for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor.  
Corequisites: NRSRG 620A, NRSRG 620B.

Presents epidemiology, pathophysiology, clinical presentation, diagnosis, and management of common diseases across life span. Role of family nurse practitioner in health promotion and disease prevention emphasized.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSRG 682.

### **620A. Family Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596, or consent of instructor.  
Corequisites: NRSRG 620, NRSRG 620B.

Allows opportunity to apply theoretical knowledge in supervised clinical settings in family practice. An emphasis placed on socialization into family nurse practitioner role.

Credit/No Credit grading only. (Laboratory 9 hours) Course fee may be required. Not open for credit to students with credit in NRSRG 682A.

### **620B. Family Clinical Studies for Advanced Practice Nursing II (3)**

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor.  
Corequisites: NRSRG 620, NRSRG 620A.

Second of two clinical courses that allows expanded theoretical knowledge in supervised clinical settings in family practice. Emphasis placed on socialization into family nurse practitioner role.

Credit/No Credit grading only. Course fee may be required. Not open for credit to students with credit in NRSRG 682B. (Laboratory 9 hours)

### **621. Family Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRSRG 620, NRSRG 620A, NRSRG 620B, or consent of instructor.  
Corequisites: NRSRG 621A, NRSRG 621B.

Presents epidemiology, pathophysiology, clinical presentation, diagnosis, and management of common diseases across life span. Role of family nurse practitioner in health promotion and disease prevention emphasized.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSRG 683.

### **621A. Family Clinical Studies for Advanced Practice Nursing III (3)**

Prerequisites: NRSRG 620, NRSRG 620A, NRSRG 620B, or consent of instructor.  
Corequisites: NRSRG 621, NRSRG 621B.

Allows additional opportunity to apply theoretical knowledge in supervised clinical settings in family practice. Emphasis placed on socialization into family nurse practitioner role.

Letter grade only (A-F). Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 683A.

### **621B. Family Clinical Studies for Advanced Practice Nursing IV (3)**

Prerequisites: NRSRG 620, NRSRG 620A, NRSRG 620B, or consent of instructor.  
Corequisites: NRSRG 621, NRSRG 621A.

Second of two clinical courses designed to allow additional opportunity to apply theoretical concepts and expand clinical knowledge.

Letter grade only (A-F). Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 683B.

### **630. Adult-Gerontological Primary Care Theories for Advanced Practice Nursing I(3)**

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596 and clinical pre-test, or departmental consent required.  
Corequisites: NRSRG 630A, NRSRG 630B.

Epidemiology, etiology, differential diagnoses, management and prevention of selected health problems of adult/geriatric patient in primary, secondary and tertiary settings and role of nurse practitioner in these settings in a changing healthcare environment.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSRG 686.

### **630A. Adult-Gerontological Primary Care Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596 and clinical pre-test, or departmental consent required.  
Corequisites: NRSRG 630, NRSRG 630B.

Designed to allow adult and geriatric nurse practitioner student to apply theoretical knowledge in supervised clinical practice with adult and geriatric patients. Emphasis placed on beginning socialization into nurse practitioner role.

Credit/No Credit grading only. Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 686A.

### **630B. Adult-Gerontological Primary Care Clinical Studies for Advanced Practice Nursing II (3)**

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560, NRSRG 596, or consent of instructor.  
Corequisites: NRSRG 630, NRSRG 630A.

Designed to allow adult and geriatric nurse practitioner student to apply theoretical knowledge in supervised clinical practice with adult and geriatric patients. Emphasis is placed on beginning socialization into nurse practitioner role.

Credit/No Credit grading only. Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 686B.

### **631. Adult-Gerontological Primary Care Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRSRG 630, NRSRG 630A, NRSRG 630B, or departmental consent required.

Corequisites: NRSRG 631A, NRSRG 631B.

Epidemiology, etiology, differential diagnoses, management and prevention of additional selected health problems of adult/geriatric patient in primary, secondary and tertiary settings, and a further delineation of role of nurse practitioner in these changing healthcare environment.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSRG 687.

### **631A. Adult-Gerontological Primary Care Clinical Studies for Advanced Practice Nursing III (3)**

Prerequisites: NRSRG 630, NRSRG 630A, NRSRG 630B, or departmental consent required.

Corequisites: NRSRG 631, NRSRG 631B.

Designed to allow adult and geriatric nurse practitioner student to apply theory into clinical practice with adult and geriatric patients. Emphasis placed on continuation to socialize into the nurse practitioner role.

Letter grade only (A-F). Course fee may be required. (Laboratory 9 hours). Not open for credit to students with credit in NRSRG 687A.

### **631B. Adult-Gerontological Primary Care Clinical Studies for Advanced Practice Nursing IV (3)**

Prerequisites: NRSRG 630, NRSRG 630A, NRSRG 630B, or departmental consent required.

Corequisites: NRSRG 631, NRSRG 631A.

Designed to allow adult and geriatric nurse practitioner student to apply theory into clinical practice with adult and geriatric patients. Emphasis placed on continuation to socialize into the nurse practitioner role.

Letter grade only (A-F). Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 687B.

### **640. Psychiatric-Mental Health Theory Across the Lifespan for Advanced Practice Nursing I (3)**

Prerequisites: Admission to PMHNP program; completion of NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor.

Corequisite(s): Corequisite: NRSRG 640A, NRSRG 643.

Introductory study for PMHNP students of genetics, brain physiology and environmental factors leading to individual psychological and personality development; required knowledge base for assessment and recognition of psychological disorders; and, exploration of family dynamics and functional theories across the lifespan.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRSRG 688.

### **640A. Psychiatric-Mental Health Across the Lifespan Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or consent of instructor.

Corequisites: NRSRG 640, NRSRG 643.

First clinical practicum for PMHNP students that focuses on application of mental health concepts in laboratory based clinical situations.

Theories from prerequisite and concurrent courses are applied and tested. (Laboratory 9 hours/week).

Credit/No credit grading only. Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 688A.

### **640B. Psychiatric-Mental Health Clinical Studies Across the Life Span for Advanced Practice Nursing II (3)**

Prerequisites: Admission to graduate nursing program and NRSRG 510, NRSRG 520, NRSRG 530, NRSRG 530L, NRSRG 540, NRSRG 550, NRSRG 560 and NRSRG 596, or departmental consent required.

Corequisites: NRSRG 640, NRSRG 640A.

Second clinical practicum for nurse practitioner students that focuses on application of mental health concepts. Theories from prerequisite and concurrent courses are applied and tested.

Credit/No credit grading only. Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 688B.

### **641. Psychiatric-Mental Health Theory for Adults and Elderly for Advanced Practice Nursing III (3)**

Prerequisites: Admission to PMHNP program; completion of NRSRG 640, NRSRG 640A, & NRSRG 643, or consent of instructor.

Corequisite: NRSRG 641A & NRSRG 641B.

Study of pathology, diagnostic methods, indications for referral, and management for nurse practitioner students of medical, psychological, and social problems of adults and elderly clients of psychiatric facilities and community mental health agencies.

Letter grade only (A-F).

### **641A. Psychiatric-Mental Health Clinical Studies for Adults for Advanced Practice Nursing IV (3)**

Prerequisites: Admission to PMHNP program; completion of NRSRG 640, NRSRG 640A, NRSRG 643 or consent of instructor.

Corequisite: NRSRG 641 & NRSRG 641B.

Clinical practicum for family psychiatric nurse practitioner students that focus on application of mental health concepts in adult patients. Theories from prerequisite and concurrent courses are applied and tested. (Laboratory 9 hours/week).

Letter grade only (A-F). Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 689A.

### **641B. Psychiatric-Mental Health Clinical Studies for Elderly for Advanced Practice Nursing V (3)**

Prerequisites: Admission to PMHNP program; completion of NRSRG 640, NRSRG 640A, NRSRG 643 or consent of instructor.

Corequisite: NRSRG 641 & NRSRG 641A.

Clinical practicum for nurse practitioner students that focuses on application of mental health concepts in elderly patients. Theories from prerequisite and concurrent courses are applied and tested. (Laboratory 9 hours/week).

Letter grade only (A-F). Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRSRG 689B.

### **642. Psychiatric-Mental Health Theory for Children and Adolescents Advanced Practice Nursing IV. (3)**

Prerequisites: Admission to the PMHNP program and completion of NRSRG 641, NRSRG 641A, and NRSRG 641B, or consent of instructor.

Corequisites: NRSRG 642A, NRSRG 642B

Study of pathology, diagnostic methods, indications for referral, and management of medical, psychological, and social problems of children and adolescent clients of psychiatric facilities and community mental health agencies.

Letter grade only (A-F).

### **642A. Psychiatric-Mental Health Clinical Studies for Children for Advanced Practice Nursing IV. (3)**

Prerequisites: Admission to the PMHNP program and completion of NRSRG 641, NRSRG 641A and NRSRG 641B, or consent of instructor.

Corequisites: NRSRG 642, NRSRG 642B

Clinical practicum for family psychiatric nurse practitioner students that focuses on application of mental health concepts in children. Theories from prerequisite and concurrent courses are applied and tested.

### **642B. Psychiatric-Mental Health Clinical Studies for Adolescents for Advanced Practice Nursing V. (3)**

Prerequisites: Admission to the PMHNP program and completion of NRSRG 641, NRSRG 641A and NRSRG 641B, or consent of instructor.

Corequisites: NRSRG 642, NRSRG 642A

Clinical practicum for family psychiatric nurse practitioner students that focuses on application of mental health concepts in adolescents. Theories from prerequisite and concurrent courses are applied and tested.

**643. Advanced Psychopharmacology for Psychiatric-Mental Health Theory Across the Lifespan for Advanced Practice Nursing II (3)**

Prerequisites: Admission to graduate nursing program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560, and NRS 596, or consent of instructor. Corequisites: NRS 640, NRS 640A, NRS 640B

Study of furnishing/management of psychotropic drugs in the provision of mental health care across the lifespan.

Letter grade only (A-F).

**650. Pediatric Theories for Advanced Nursing I (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596.  
Corequisites: NRS 650A and NRS 650B.

Theoretical based content for providing care in the role of a pediatric nurse practitioner. Content focuses on preventive health care, well child care, disease management, professional issues, and related research.

Letter grade only (A-F). Course fee may be required. Not open for credit to students with credit in NRS 684. (Discussion 3 hours)

**650A. Pediatric Clinical Studies for Advanced Practice Nursing I (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596 or consent of instructor.  
Corequisites: NRS 650 and NRS 650B.

First clinical course of Pediatric Primary Care nurse practitioner program. Emphasis on application of theory to preventative health care, management of well child and common pediatric problems.

Credit/No Credit grading only. Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRS 684A.

**650B. Pediatric Clinical Studies for Advanced Practice Nursing II (3)**

Prerequisites: NRS 510, NRS 520, NRS 535, NRS 535L, NRS 540, NRS 550, NRS 560, and NRS 596.  
Corequisites: NRS 650 and NRS 650A.

Second clinical course of Pediatric Primary Care nurse practitioner program. Emphasis on application of theory to preventative health care, management of well child and common pediatric problems.

Credit/No Credit grading only. Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRS 684B.

**651. Pediatric Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRS 650, NRS 650A, NRS 650B.  
Corequisites: NRS 651A and NRS 651B.

Diagnosis, treatment and management of common pediatric conditions/ disorders by the pediatric nurse practitioner. The specific topics covered are the management of common pediatric diseases including: infectious, ENT, ophthalmic, dental, respiratory, dermatologic, gastrointestinal, genitourinary, and musculoskeletal disorders.

Letter grade only (A-F). Course fee may be required. (Discussion 3 hours) Not open for credit to students with credit in NRS 685.

**651A. Pediatric Clinical Studies for Advanced Practice Nursing III (3)**

Prerequisites: NRS 650, NRS 650A, and NRS 650B.  
Corequisites: NRS 651 and NRS 651B.

First of two clinical courses that deal with application of theory related to assessment, diagnosis, and management by the pediatric nurse practitioner of common pediatric health care problems in clinical settings.

Letter grade only. (A-F). Course fee may be required. (Laboratory 9 hours) Not open for credit to students with credit in NRS 685A.

**651B. Pediatric Clinical Studies for Advanced Practice Nursing IV (3)**

Prerequisites: NRS 650, NRS 650A, and NRS 650B.  
Corequisites: NRS 651 and NRS 651A.

Application of theory related to assessment, diagnosis, and management by the pediatric nurse practitioner of common pediatric health care problems in clinical settings.

Letter grade only. (A-F). (Laboratory 9 hours) Course fee may be

required. Not open cor credit to students with credit in NRS 685B.

**652. Pediatric Theories for Advanced Practice Nursing III (3)**

Prerequisites: NRS 651, NRS 651A, NRS 651B.  
Corequisites: NRS 652A.

Diagnosis, treatment, and management of complex and chronic pediatric diseases by the pediatric nurse practitioner. The specific topics covered are the management of endocrine, metabolic, cardiac, hematologic, atopic, rheumatoid, autoimmune, neurologic, genetic, and mental disorders in children.

Letter grade only (A-F). (3 hours discussion)

**652A. Pediatric Clinical for Advanced Practice Nursing V (3)**

Prerequisites: NRS 651, NRS 651A, NRS 651B.  
Corequisites: NRS 652.

Demonstrate, at an advanced level, the application of theory from previous and concurrent course work concerning assessment, diagnosis, and management of common and chronic pediatric health care problems.

Letter grade only (A-F). (9 hours laboratory)

**660. Adult-Gerontological Acute Care Theories for Advanced Practice Nursing I (3)**

Prerequisite(s): Admission to AGACNP program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, 560, NRS 596 or consent of instructor. Corequisite(s): NRS 660A, NRS 660B

Epidemiology, etiology, differential diagnoses, and management of acute patients at an advanced level. Vulnerable patients experiencing complex episodic illness (acute, terminal, or exacerbation of chronic disease) who are physiologically unstable and technologically dependent are the population of focus.

Letter grade only (A-F)

**660A. Adult-Gerontological Acute Care Clinical Studies in Advanced Practice Nursing I (3)**

Prerequisite(s): Admission to the AGACNP program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560, NRS 596. Corequisite(s): NRS 660, NRS 660B

The course provides the AGACNP student with supervised clinical practice to apply the theoretical concepts from N660 in the evaluation, diagnosis, and treatment of medically complex and/or acutely ill adult and geriatric patients. (Laboratory 9 hours/week)

Letter grade only (A-F)

**660B. Adult-Gerontological Acute Care Clinical Studies in Advanced Practice Nursing II (3)**

Prerequisite(s): Admission to the AGACNP program and NRS 510, NRS 520, NRS 530, NRS 530L, NRS 540, NRS 550, NRS 560, NRS 596. Corequisite(s): NRS 660, NRS 660A.

This course provides the AGACNP students with supervised clinical practice to apply the theoretical concepts for N660 in the evaluation, diagnosis, and treatment of medically complex and/or acutely ill adult and geriatric patients. (Laboratory 9 hours/week)

Letter grade only (A-F)

**661. Adult-Gerontological Acute Care Theories for Advanced Practice Nursing II (3)**

Prerequisite(s): Admission to the AGACNP program and NRS 660, NRS 660A, NRS 660B, or consent of instructor.  
Corequisite(s): NRS 661A, NRS 661B.

Epidemiology, etiology, differential diagnoses, and management of acute patients at an advanced level. Vulnerable patients experiencing complex episodic illness (acute, terminal, or exacerbation of chronic disease) who are physiologically unstable and technologically dependent are the population of focus.

Letter grade only (A-F)

**661A. Adult-Gerontological Acute Care Clinical Studies in Advanced Practice Nursing III (3)**

Prerequisite(s): Admission to the AGACNP program and NRS 660, NRS 660A, NRS 660B. Corequisite(s): NRS 661+ NRS 661B

The course provides the AGACNP student with supervised clinical practice to apply the theoretical concepts from N661 in the evaluation, diagnosis, and treatment of medically complex and/or acutely ill adult and geriatric patients. (Laboratory 9 hours/week)

Letter grade only (A-F)

**661B. Adult-Gerontological Acute Care Clinical Studies in Advanced Practice Nursing IV (3)**

Prerequisite(s): Admission to the AGACNP program and NRS 660, NRS 660A, NRS 660B. Corequisite(s): NRS 661, NRS 661A

The course provides the AGACNP student with supervised clinical practice to apply the theoretical concepts from N661 in the evaluation, diagnosis, and treatment of medical complex and/or acutely ill adult and geriatric patients. (Laboratory 9 hours/week)

Letter grade only (A-F)

**670. Community Health Theories for Advanced Nursing Practice I (3)**

Prerequisites: Admission to graduate nursing program and NRS 565, or consent of instructor.  
Corequisite: NRS 670L.

Community/Public health theories will be applied in the context of health problems, global health issues, and the changing health care environment for vulnerable populations addressing the social determinants of health. The focus will be on the community/public health nurse leader.

Letter grade only (A-F). (Seminar 3 hours) Course fee may be required.

**670L. Advanced Community/Public Health Nursing Clinical Studies I (3)**

Prerequisites: Admission to graduate nursing program and NRS 565 or consent of instructor.  
Corequisite: NRS 670.

In conjunction with the instructor, the student will identify an agency and preceptor who will provide "hands on experience" that will meet the course objectives, the student's personal learning objectives and the student's mission statement. Clinical pre-ceptored course.

Credit/No Credit grading only. (Clinical 9 hours) Course fee may be required.

**671. Community Health Theories for Advanced Practice Nursing II (3)**

Prerequisites: NRS 670 and NRS 670L or consent of instructor.  
Corequisites: NRS 671L.

Population health and global health care issues, ethical issues, and health care policies will be explored in order to provide an insight into how the current populations experience health and wellbeing while orchestrating their daily lives.

Letter grade only (A-F). (Seminar, 3 hours) Course fee may be required.

**671L. Advanced Community/Public Health Nursing Clinical Studies II (3)**

Prerequisites: NRS 670 and NRS 670L, or consent of instructor.  
Corequisites: NRS 671.

Clinical course offering leadership and mentoring in a community/public health setting for the student to acquire exposure to development of projects and addressing issues for the vulnerable populations.

Letter grade only (A-F). (Clinical 9 hours) Course fee may be required.

**672. Advanced Community Health Theories for Advanced Practice Nursing III (3)**

Prerequisites: NRS 671, NRS 671L or consent of instructor.  
Corequisites: NRS 672L.

Focus will be on the leadership role of the C/PHN in the integration of nursing and public health theories in evaluation and internalization strategies for health programs and policies for underserved and ethnically diverse populations.

Letter grade only (A-F). Course fee may be required.

**676. Organizing and Structuring Optimal Healing Environments (3)**

Prerequisite(s): Admission to the NHSEM program, NRS 559  
Corequisite(s): Concurrent Enrollment in NRS 676L.

Administering nursing and healthcare systems and delivering patient-centered care in a changing environment, incorporating new technology and evidence-based practice. The application of management, organization, and leadership theory within the context of structuring healthcare delivery systems for optimal healing and patient-centeredness.

Letter grade only (A-F). (Discussion)

**676L. Practicum In Organizing and Structuring Optimal Healing Environments (3)**

Prerequisite(s): Admission to the NHSEM program, NRS 559

Corequisite(s): Concurrent Enrollment in NRS 676.

Practicum and on-site laboratory opportunity to apply principles and theories for organizing and structuring optimal healing environments in complex nursing and/or healthcare settings. An experienced, practicing nurse executive will provide mentorship during the practicum.

Letter grade only (A-F).

**677. Human Resources and Professional Relationships in Nursing and Health Systems (3)**

Prerequisite(s): Admission to the NHSEM program, NRS 559

Corequisite(s): Concurrent Enrollment in NRS 677L.

In-depth study of the theories, functions and components of human resources management within nursing and healthcare systems. Emphasis on establishing competitive work environments with high levels of staff satisfaction. Intra and inter-disciplinary and departmental communication and relationships are also addressed..

Letter grade only (A-F). (Discussion)

**677L. Practicum In Human Resources and Professional Relationships In Nursing and Health Systems (3)**

Prerequisite(s): Admission to the NHSEM program, NRS 559

Corequisite(s): Concurrent Enrollment in NRS 677.

Practicum and on-site laboratory opportunity to apply principles and theories of human resources and professional relationship management in complex nursing and/or healthcare settings. An experienced, practicing nurse and/or human resources executive will provide mentorship during the practicum.

Letter grade only (A-F).

**678. Continuous Quality Improvement in Nursing and Health Systems (3)**

Prerequisite(s): Admission to the NHSEM program, NRS 559

Corequisite(s): Concurrent Enrollment in NRS 678L.

In-depth study of continuous quality improvement, examining theories and principles of program and service evaluation and the organizational, clinical and administrative systems needed in complex nursing and/or healthcare systems. Methodologies for data collection, analysis and benchmarking with national quality and safety standards.

Letter grade only (A-F).

**678L. Practicum In Continuous Quality Improvement in Nursing and Health Systems (3)**

Prerequisite(s): Admission to the NHSEM program, NRS 559

Corequisite(s): Concurrent Enrollment in NRS 678.

Practicum and on-site laboratory opportunity to apply principles and theories of continuous quality improvement and informatics in complex nursing and/or healthcare settings. An experienced, practicing nurse executive and/or informaticist will provide mentorship during the practicum.

Letter grade only (A-F). (Technical activities/laboratory 9 hours)



### **679. Nursing and Health Systems Governance and Population-Based Care Delivery (3)**

Prerequisite: Admission to the NHSEM program, NRS 559

The political realities associated with nursing and healthcare delivery are presented with strategies for changing policy and legislation. Methodologies are explored for assessing the demographics, needs and health status of the community served and providing services in a "population-based" manner.

Letter grade only (A-F). (3 hours lecture)

### **680A. Theories for Extended Nursing Practice (3)**

Prerequisites: Admission to graduate nursing program, a physical assessment course and upper division pathophysiology course, or consent of instructor.

Corequisites: NRS 680L.

Normal and pathological conditions and management theory base applicable for advanced nurse in clinical areas of concentration.

May be repeated to a maximum of 6 units in each suffix in different semesters. Letter grade only (A-F). Course fee may be required.

### **680L. Clinical Studies in Nursing (3)**

Prerequisites: Admission to graduate nursing program, a physical assessment course and upper division pathophysiology course, or consent of instructor.

Corequisites: NRS 680A.

A laboratory course offering clinical experience in selected settings to prepare for advanced nursing practice.

May be repeated to a maximum of 9 units with different topics. Course fee may be required.

### **692. Nursing Directed Project (1-3)**

Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRS 596 and consent of school graduate advisor.

Planning, preparation and completion of a directed project appropriate to advanced practice nursing.

May be repeated to a maximum of 4 units in different semesters. Letter grade only (A-F). Course fee may be required.

### **693. Executive Management Project (3)**

Prerequisites: Advancement to candidacy and completion of 21 graduate units

Development of a comprehensive business plan for a new nursing and/or health systems program or service or major revision of an existing program/service including vision, mission, goals, evaluative criteria, market analysis, pro-forma budget, options for financing, marketing and advertising.

Letter grade only (A-F). (3 hours discussion)

### **695. Professional Literature (3)**

Prerequisites: NRS 510, NRS 520, NRS 530 or NRS 535, NRS 530L or NRS 535L, NRS 540, NRS 550, NRS 560, NRS 596, theory and clinical course series for one of the Nurse Practitioner or CNS specialties, and advancement to candidacy, or consent of instructor and graduate advisor.

Critical analysis and synthesis by comparative review of professional literature in nursing practice, theory, and research.

Not open for credit to students taking NRS 698. Letter grade only (A-F). Course fee may be required.

### **698. Thesis (1-3)**

Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRS 596, consent of school graduate advisor.

Planning, preparation and completion of a thesis in clinical nursing.

Letter grade only (A-F). Course fee may be required.

### **701. Biostatistics for Advanced Nursing Practice (3)**

Prerequisite/Corequisite: Admission to the DNP program.

Provides DNP students with the necessary skills and knowledge to interpret research that employ multivariate statistical techniques. Topics include choosing correct statistical methods; descriptive, univariate and multivariate statistics; probability; estimation and hypothesis testing; and use of a statistical software package.

Letter grade only (A-F).

### **702. Leadership, Management and Economics in Advanced Nursing Practice (3)**

Prerequisite/Corequisite: Admission to the DNP program.

Emphasis on analyzing leadership theories and organizational models within healthcare delivery systems. Principles of change theory, financial management, strategic planning, program development and implementation are evaluated. Application focuses on fiscally sound leadership management in providing healthcare for individuals and populations.

Letter grade only (A-F).

### **703. Epidemiology and Clinical Prevention (3)**

Prerequisite/Corequisite: Admission to the DNP program.

Emphasis on application of epidemiological principles and approaches related to health and illness in at-risk populations. Epidemiological models and inquiry are used to determine population needs and promote interventions to enhance health-related quality of life and prevent illness.

Letter grade only (A-F).

### **704. Informatics in Healthcare (3)**

Prerequisite/Corequisite: Admission to the DNP program.

Use of information systems/technology resources to implement quality improvement initiatives and support practice and administrative decision-making. Topics include standards and principles for selecting and evaluating information systems and patient care technology, and related ethical, regulatory, and legal issues.

Letter grade only (A-F).

### **705. Advanced Evidence-Based Practice in Nursing (3)**

Prerequisite/Corequisite: Admission to the DNP program.

Advanced research course focused on reading, interpreting, and evaluating studies using quantitative and qualitative methods in nursing and other health care disciplines; develop initial literature review for integrative scholarship proposal.

Letter grade only (A-F)

### **706. Healthcare Policy, Ethics, and Advocacy for Nurses (3)**

Prerequisite/Corequisite: Admission to the DNP program

Critical appraisal of how national and international health policies, advocacy efforts, ethics, and economics impact health care delivery and its outcomes and influence advanced practice nursing. Development of health care policy, delivery models, reimbursement mechanisms, and economic perspectives are investigated.

Letter grade only (A-F).

### **707. DNP Clinical Practicum: Professional Role Development (3)**

Prerequisite/Corequisite: Admission to the DNP program.

Supervised clinical opportunities in selected clinical settings to enhance professional role development in advanced nursing practice. Synthesis of prior graduate learning experience; focus on evidence-based best practices to enhance safety, quality and efficiency in the student's nursing specialty area.

Letter grade only (A-F). May be repeated to a maximum of 12 units in different semesters. (Seminar 1 hour, Clinical 6 hours)

**797A. Integrative Clinical Scholarship I: Evidence-Based Practice (3)**

Prerequisite/Corequisite: Advanced Evidence-Based Practice in Nursing

Advanced research/laboratory course focused on analysis of history/role of DNP, role transition, interprofessional collaboration and leadership, clinical microsystems thinking, project development and management within healthcare systems. Includes principles of grant writing and development of DNP project proposal.

Letter grade only (A-F). (Seminar 1 hour, Clinical 6 hours)

**797B. Integrative Clinical Scholarship II: Evidence-Based Practice (3)**

Prerequisite/Corequisite: NRSG 797A.

Implementation of DNP project, within a clinical setting, using integration of theory and evidence-based change from nursing science and other disciplines. Emphasizes incorporation of principles of practice inquiry, evidence-based practice, and/or practice inquiry. Integration of core DNP concepts and competencies.

Letter grade only (A-F).

**797C. Integrative Clinical Scholarship III: Evidence-Based Practice (3)**

Prerequisite: NRSG 797B.

Evaluation and completion of DNP project. Emphasizes incorporation of principles of practice inquiry, evidence-based practice, and/or practice inquiry. Integration of core DNP concepts and competencies.

Letter grade only (A-F). (Seminar 1 hour, Clinical 6 hours)

# NUTRITION AND DIETETICS

College of Health and Human Services  
Department of Family and Consumer Sciences

**Department Chair:** Wendy Reiboldt

**Department Office:** Family and Consumer Sciences (FCS) - 001  
Telephone / Fax: (562) 985-4484 / 985-4414  
Website: [www.csulb.edu/colleges/chhs/departments/fcs](http://www.csulb.edu/colleges/chhs/departments/fcs)

**Faculty:** Mariné Aghekyan, Michelle Barrack, Lee Blecher, Marie Botkin, Maria Claver, Gail C. Frank, Virginia Gray, Libby Gustin, Young Ha, James E. Koval, Peter Kreysa, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Cheryl Rock, Roudi Roy, Myung Hee Sohn, Richard V. Tuveson, Long Wang, Jung-Mao (Ronnie) Yeh

**Didactic Program Director:** Emily Haynes

**Individualized Supervised Practice Pathway Coordinator:** Long Wang

**Doctoral Individualized Supervised Practice Pathway Coordinator:** Long Wang

**Internship Program in Nutrition and Dietetics Director:** Gail Frank

**Baccalaureate Program Coordinator:** Richard V. Tuveson

**Graduate Coordinator:** Virginia Gray

**Administrative Support Coordinators:**  
Mikal Lok, Marina Bendersky, Andrew Redmayne

**Instructional Support Technician:** Bonnie Rice

## Career Possibilities

Clinical Dietitian • Private Practice Dietitian • Research Dietitian • School Foodservice Director • Food Products Sales Representative • Food Technologist • Food Service Supervisor • Restaurant Manager • Public Health Nutritionist • Food and Drug Inspector • Public Health and Wellness Educator • Community Nutrition Programs • Health Clubs • Private Consulting • Health and Welfare Agencies • Program Administration • Health Promotion. (Some of these, and other careers, require additional education or experience. For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

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## Undergraduate Degrees

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### Bachelor of Arts in Family and Consumer Sciences

This degree offers six options:

- Child Development and Family Studies
- Consumer Affairs
- Family and Consumer Sciences Education
- Family Life Education
- Fashion Design
- Fashion Merchandising

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Hospitality Management

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

### Bachelor of Science in Dietetics and Food Administration

The Department of Family and Consumer Sciences offers students a Bachelor of Science degree in Dietetics and Food Administration with two option areas of study:

- Nutrition and Dietetics
- Food Science (suspended)

Degree and certificate information and requirements are listed under each option alphabetically in this *Catalog*.

Requirements for the major include a minimum of 120 units for Nutrition and Dietetics. In addition to general education requirements (48 units), a minimum of 40 units in Family and Consumer Sciences is required, 24 of which must be upper division. Students transferring from another college or university will receive transfer credit in required courses if the course is equivalent to the course at this University and it is accepted by the University.

### Nutrition and Dietetics

This degree option has two concentrations- Dietetics and Nutritional Science. Students will focus their studies in nutritional science, medical nutrition therapy, community nutrition, food production and management of foodservice operations (Dietetics concentration only), chemistry, physiology, plus a variety of supporting course work in related disciplines.

### Dietetics Concentration

The Dietetics Concentration fulfills the Academy of Nutrition and Dietetics (AND) academic requirements for eligibility to apply for qualifying experiences required to become a Registered Dietitian/Nutritionist.

### Becoming a Registered Dietitian/ Nutritionist

Registered Dietitians/Nutritionists (RDs/RDNs) are considered food and nutrition experts. They have met the following criteria to earn the RD/RDN credential:

- Completion of a minimum of a bachelor's degree at a U.S. regionally accredited university or college and course work accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), the credentialing agency of the Academy of Nutrition and Dietetics (AND).
- Completion of a supervised practice program accredited by ACEND.
- Passed a national examination administered by the Commission on Dietetic Registration (CDR).

In order to maintain registration, the RD/RDN must provide evidence of fulfilling continuing professional educational requirements to maintain registration. Some RDs/RDNs hold additional certifications in the specialized areas of practice, such as pediatric or renal nutrition, nutrition support, and

diabetes education. These certifications are awarded through CDR and/or other medical and nutrition organizations and are recognized within the profession, but are not required.

In addition to RD/RDN credentialing, many states have regulatory laws for dietitians and nutrition practitioners. Frequently these state requirements are met through the same education and training required to become an RD/RDN.

### **Alternative pathway- Becoming an NDTR (Nutrition & Dietetic Technician)**

Dietetic technicians, registered (DTRs) are educated and trained at the technical level of nutrition and dietetics practice for the delivery of safe, culturally competent, quality food and nutrition services. DTRs are an integral part of healthcare and food service management teams.

DTRs work under the supervision of a registered dietitian nutritionists (RDNs) when in direct patient/client nutrition care in practice areas as:

- **Hospitals, clinics, nursing homes, retirement centers, hospices, home health-care programs and research facilities** conducting patient/client screens, gathering data and performing assigned tasks to assist RDNs in providing medical nutrition therapy.

DTRs may work independently in providing general nutrition education to healthy populations in a variety of settings as:

- **Schools, day-care centers, correctional facilities, restaurants, health-care facilities, corporations and hospitals**, managing employees, purchasing and food preparation and maintaining budgets within foodservice operations.
- **Women, Infants, Children (WIC) programs, public health agencies, Meals on Wheels and community health programs**, assisting registered dietitians with the implementation of programs and presentation of classes for the public.

- **Health clubs, weight management clinics and community wellness centers**, helping to educate clients about the connection between food, fitness and health.

- **Food companies, contract food management companies or food vending and distributing operations** developing menus, conducting nutrient analysis and data collection, and overseeing foodservice sanitation and food safety.

DTRs are nationally credentialed food and nutrition technical practitioners who have met the following criteria to earn and maintain the DTR credential.

"Successful completion of coursework in an ACEND-accredited Didactic Program in Dietetics and completion of at least a bachelor's degree at a U.S. regionally accredited college or university.

After completing the degree and dietetics coursework, successful completion of the Registration Examination for Dietetic Technicians, a national credentialing examination, administered by the Commission on Dietetic Registration (CDR) is required. CDR's DTR certification program is fully accredited by the National Commission for Certifying Agencies (NCCA), the accrediting arm of the Institute for Credentialing Excellence (ICE). Accreditation by the ICE reflects achievement of the highest standards of professional credentialing. For more information regarding DTR credentialing, refer to CDR's website at [www.cdnet.org](http://www.cdnet.org).

Compliance with the CDR Professional Development

Portfolio (PDP): Requirements to maintain DTR registration include 50 hours of continuing education every five years.

### **Nutritional Science Concentration**

The Nutritional Science Concentration focuses on nutrition as part of medical and health issues and is suitable for students wishing to apply for graduate school, medical school or other health-related programs. Students who select the Nutritional Science Concentration as a pre-professional degree should check with the appropriate programs to verify specific requirements.

#### **Option in Nutrition and Dietetics (120 units)**

Take all of the following courses:

MATH 113 Precalculus Algebra (3)

\* C or better

Prerequisite: Appropriate ELM score, ELM exemption

BIOL 207 Human Physiology (4)

\* C or better

Prerequisite: GE Foundation requirements.

CHEM 111A General Chemistry (5)

\*\*"C" or better required.

Prerequisite: A passing score on the Chemistry Placement Examination.

Corequisite: MATH 109 or higher.

CHEM 448 Fundamentals of Biological Chemistry (3)

\*\*"C" or better required.

Prerequisite: CHEM 220B or CHEM 227 either with a grade of "C" or better.

CHEM 449 Nutritional Biochemistry Laboratory (1)

Prerequisite: CHEM 448 with a grade of "C" or better. Can be taken concurrently with CHEM 448.

BIOL 201 General Microbiology for Health Professionals (4)

Prerequisites: CHEM 111A or CHEM 140 with a grade of "C" or better and GE Foundation requirements.

SOC 335 Social Psychology (3)

Prerequisite: Upper division standing.

CAFF 321 (GE) Family and Consumer Resource Management (3)

Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

FCS 299 Introduction to Family & Consumer Sciences (1)

Prerequisites: None.

Not open for credit to students with credit in FCSE 299.

FCS 499 Professionalism and Leadership in Family and Consumer Sciences Professionals (1)

Prerequisites: FCS 299, CAFF 321, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.

Not open for credit to students with credit in FCSE 499.

NUTR 132 Introductory Nutrition (3)

\* C or better

Prerequisite/Corequisite: One Foundation course.

NUTR 331 Nutrition through the Life Cycle (3)

Prerequisites: For the Dietetics Concentration BIOL 207, NUTR 132, NUTR 234; For the Nutritional Sciences Concentration BIOL 207, NUTR 132.

NUTR 336 Social and Cultural Aspects of Food and Health (3)

Prerequisites: For Dietetics Concentration NUTR 132, NUTR 234, SOC 335; for Nutritional Sciences Concentration NUTR 132, SOC 335.

NUTR 436 Advanced Nutrition (3)

Prerequisites/Corequisites: NUTR 331; CHEM 448.

NUTR 335 Nutrition Assessment (2)

Prerequisites: NUTR 331.

NUTR 438A Medical Nutrition Therapy I (3)

Prerequisites: NUTR 335, NUTR 436

NUTR 438B Medical Nutrition Therapy II (3)

Prerequisite: NUTR 438A

Complete one of the following concentration areas:

### A. Dietetics Concentration

Take all of the following courses:

CHEM 227 Fundamentals of Organic Chemistry (3)

\*\*C" or better required.

Prerequisite: CHEM 111A with a grade of "C" or better; CHEM 111B is recommended.

FSCI 332 Food Science (3)

Prerequisites: CHEM 227; HFHM 176; MICR 200 or equivalent.

HFHM 176 Fundamentals of Food Preparation (3)

Prerequisites: None.

HFHM 343 Food Production Systems for Nutrition and Dietetics Professionals (3)

Prerequisites: NUTR 132 and HFHM 176.

HFHM 345 Food Service Operations for Nutrition and Dietetics Professionals (2)

Prerequisites: HFHM 343; California Food Handler's Card valid for at least one year.

HFHM 447 Foodservice Administration for Dietetic and Nutrition Professionals (3)

Prerequisites: HFHM 343.

NUTR 234 Orientation to Dietetics and Food Administration (1)

Prerequisites: Open only to Nutrition and Dietetics majors.

NUTR 334 Nutrition Education (2)

Prerequisites: NUTR 331, SOC 335.

NUTR 437 Nutrition Counseling and Motivational Techniques (2)

Prerequisites: NUTR 334, NUTR 335, NUTR 436.

NUTR 461 Community Nutrition (3)

Prerequisites: NUTR 331, NUTR 334, NUTR 336.

NUTR 498A Senior Seminar for Dietetics I (1)

Prerequisites: NUTR 436.

NUTR 498B Senior Seminar for Dietetics II (1)

Prerequisites: NUTR 498A.

Take one of the following courses:

STAT 108 Statistics for Everyday Life (3)

\* C or better required

Prerequisites: None.

BIOL 260 Biostatistics (3)

\* C or better required

Prerequisites: BIOL 201 or BIOL 207 or BIOL 211 or MICR 200; MATH 111 or MATH 113 or MATH 119A or MATH 122 all with a grade of "C" or better.

EDP 419 Educational Statistics (3)

\* C or better required

Prerequisites: Satisfactory completion of an undergraduate mathematics course suitable for general education math credit and, if required by the major, a lower-division statistics course.

PSY 110 Introductory Statistics (4)

\* C or better required

Prerequisites: Eligible to take a General Education Mathematics course.

### B. Nutritional Science Concentration

Take all of the following classes

BIOL 208 Human Anatomy (4)

Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

CHEM 111B General Chemistry (5)

\*\*C" or better required.

Prerequisite: CHEM 111A with grade of "C" or better.

CHEM 220A Organic Chemistry I (3)

\*\*C" or better required.

Prerequisite: CHEM 111B with a grade of "C" or better. Corequisites: CHEM 224 is required for students repeating course. CHEM 223A must be taken concurrently if required by a degree plan.

CHEM 220B Organic Chemistry II (3)

\*\*C" or better required.

Prerequisite: CHEM 220A with a grade of "C" or better. Corequisite: CHEM 223B or CHEM 320L except for students who previously earned a "C" or better in CHEM 223B or CHEM 320L.

CHEM 223A Organic Chemistry Laboratory I (1)

\*\*C" or better required.

Corequisite: CHEM 220A, except for students who have previously earned a "C" or better in CHEM 220A.

CHEM 223B Organic Chemistry Laboratory (1)

\* C or better required

Prerequisites: CHEM 220A and CHEM 223A, both with a grade of "C" or better. Corequisite: CHEM 220B, except for students who have previously earned a "C" or better in CHEM 220B.

Take one of the following courses

STAT 108 Statistics for Everyday Life (3)

Prerequisite: None.

\* C or better required

BIOL 260 Biostatistics (3)

\* C or better required

Prerequisites: BIOL 201 or BIOL 207 or BIOL 211 or MICR 200; MATH 111 or MATH 113 or MATH 119A or MATH 122 all with a grade of "C" or better.

EDP 419 Educational Statistics (3)

\* C or better required

Prerequisites: Satisfactory completion of an undergraduate mathematics course suitable for general education math credit and, if required by the major, a lower-division statistics course.

PSY 110 Introductory Statistics (4)

\* C or better required

Prerequisites: Eligible to take a General Education Mathematics course.

### The Academy of Nutrition and Dietetics (AND) Didactic Program in Dietetics accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND)

The ACEND, the accrediting agency for the AND Didactic (Academic) Program in Dietetics (DPD), is designed to provide students with a foundation of knowledge and skills in dietetics that will enable them to perform successfully in a dietetic internship. The DPD is currently granted accreditation by the Accreditation Council for Education in Nutrition and Dietetics of the AND, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, phone: 312-899-0040, ext. 5400. This Council is a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United

States Department of Education. It is the responsibility of the student to consult with the DPD Director to verify current ACEND requirements to become a Registered Dietitian.

Students who choose to meet DPD requirements must select the following as electives:

HFHM 375 Food Production Systems II (3)  
Prerequisite: HFHM 276.

HFHM 477 Restaurant and Dining Management (3)  
Prerequisite: HFHM 276.

Students must receive a grade of "C" or better in DPD courses to receive verification of completion of the DPD. Approval of a student's academic program by the CSULB DPD Director requires that the student complete HFHM 477, and NUTR 335 at CSULB. Upon completion of the Bachelor of Science in Dietetics and Food Administration with the Option in Nutrition and Dietetics, all students' transcripts are audited by the CSULB DPD Director to verify completion of course and grade requirements in order to receive the verification statement of completion of the DPD. Students can view details of the DPD program at [www.csulb.edu/dpd](http://www.csulb.edu/dpd).

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## Courses (NUTR)

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### LOWER DIVISION

#### 132. Introductory Nutrition (3)

Prerequisite/Corequisite: One Foundation course.

Essential nutrients, their physiological functions and human needs during the life cycle; food sources as applied to selection of an adequate diet; problems encountered providing food to meet nutritional needs; food additives and consumer protection. Not open for credit to students with credit in FCS 232. (Lecture-discussion 3 hours)

#### 234. Orientation to Dietetics and Food Administration (1)

Prerequisite: Open only to Nutrition and Dietetics majors.

Role of the professional in dietetics and food administration; orientation to career opportunities in Food, Nutrition and Foodservice Systems Management; personnel and physical facilities, including equipment in health care and mass feeding programs.

### UPPER DIVISION

#### 331. Nutrition through the Life Cycle (3)

Prerequisites: For the Dietetics Concentration BIOL 207, NUTR 132, NUTR 234; For the Nutritional Sciences Concentration BIOL 207, NUTR 132.

Nutritional needs with emphasis on changes through the life cycle, including pregnancy and lactation, infancy, childhood, adolescence, adulthood, and aging.

Letter grade only (A-F).

#### 333. Latino Nutrition, Health and Chronic Disease Prevention (3)

Prerequisites: GE Foundation requirement, one or more Exploration courses and upper division standing.

Explores nutrition-related and contextual factors associated with the high rates of chronic disease among diverse Latino-specific subpopulations and provide culturally-relevant strategies for prevention.

Letter grade only (A-F). Same course as HSC 333. Not open for credit to students with credit in HSC 333.

#### 334. Nutrition Education (2)

Prerequisites: NUTR 331, SOC 335

Develop effectiveness as a nutrition educator by applying behavior change theories and techniques. Develop critical thinking, research, and presentation skills through the design, implementation and evaluation of nutrition education for a variety of nutrition issues and audiences.

Letter grade only (A-F). (1 hour lecture activity and 2 hours technical activity and lab)

#### 335 (formerly 436L). Nutrition Assessment (2)

Prerequisites: NUTR 331.

This course provides training in nutrition assessment as part of the Nutrition Care Process. Students will learn and practice laboratory methods for collection and interpretation of demographic, dietary, anthropometric, biochemical and clinical data.

Letter grade only (A-F). (1 hours lecture discussion and 3 hours technical activities and lab) Course fee may be required.

#### 336. Social and Cultural Aspects of Food and Health (3)

Prerequisites: For Dietetics Concentration NUTR 132, NUTR 234, SOC 335; for Nutritional Sciences Concentration NUTR 132, SOC 335.

Social and cultural impacts on food and nutrition around the world. Global food patterns, culturally competent care, global hunger and food aid, and trends in food production.

Letter grade only (A-F). (Lecture 3 hours)

#### 339. Nutrition for Nursing Professionals (3)

Prerequisites: CHEM 140, BIOL 207, admission to the School of Nursing or consent of instructor.

Metabolic role of nutrients in the human body; practical application of nutrition to patient care.

Open to Nursing Majors only. Letter grade only (A-F). (Lecture-activity 3 hours)

#### 436. Advanced Nutrition (3)

Prerequisites/Corequisites: NUTR 331; CHEM 448

Metabolism of proteins, fats, carbohydrates, minerals and vitamins; interrelationship of nutrients; principles of determining nutritional requirements of individuals.

Letter grade only (A-F). (2 hours lecture activities and 2 hours technical activities and lab)

#### 437. Nutrition Counseling and Motivational Techniques (2)

Prerequisites: NUTR 334, NUTR 335, NUTR 436.

Provides training in basic evidence-based nutrition interviewing and counseling strategies that are characterized by a collaborative counselor-client relationship to establish food/nutrition priorities, goals and individualized action plans. Supervised counseling is conducted at sites on and off campus.

Letter grade only (A-F). (2 hours seminar, 3 hours clinical activity.)

#### 438A. Medical Nutrition Therapy I (3)

Prerequisites: NUTR 335, NUTR 436

The Nutrition Care Process and evidence-based practice are applied to specific pathophysiological conditions. The application of this process includes nutrition assessment, nutrition diagnosis, nutrition intervention, and nutrition monitoring and evaluation.

Letter grade only. (A-F). (2 hours of lecture activities and 2 hours of technical activities and lab)

#### 438B. Medical Nutrition Therapy II (3)

Prerequisites: NUTR 438A.

The Nutrition Care Process and evidence-based practice are applied to specific pathophysiological conditions. The application of this process includes nutrition assessment, nutrition diagnosis, nutrition intervention, and nutrition monitoring and evaluation.

Letter grade only (A-F). (2 hours of lecture activities and 2 hours of technical activities and lab)

### **439. Nutrition and Aging (3)**

Prerequisites: NUTR 132 or BIOL 207 or BIOL 301 or GERN 400 or consent of instructor.

Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older adults.

Letter grade only (A-F). Same course as GERN 439. Not open for credit to students with credit in GERN 439. (Lecture-discussion 3 hours)

### **461. Community Nutrition (3)**

Prerequisites: NUTR 331, NUTR 334, NUTR 336.

Survey of nutrition programs in the community. Techniques of program planning, implementation, management and evaluation.

Letter grade only (A-F). (Lecture-activity 3 hours)

### **468. Nutrition for Exercise and Performance (3)**

Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.

Explores the role nutrients play in exercise and performance enhancement. Topics include evaluation of energy needs during physical activity, examination of weight management practices, assessment of nutritional status, and investigation of contemporary dietary issues related to exercise.

Letter grade only (A-F). Same course as KIN 468. Not open for credit to students with credit in KIN 468. Open to Kinesiology undergraduate students in the Fitness and Exercise Science options and to the Nutrition and Dietetics option in Family and Consumer Sciences.

### **492K. Internship in Nutrition and Dietetics (3)**

Prerequisites: Student must be a Family and Consumer Sciences: Nutrition and Dietetics major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Nutrition and Dietetics; and HFHM 275 and FSCI 332. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for 6 units maximum. (Seminar 3 hours)

### **498A. Senior Seminar for Dietetics I (1)**

Prerequisite: NUTR 436.

Designed to prepare dietetic students for the transition from student to internship, graduate school, and/or career and to develop selected professional skills.

Letter grade only. (A-F). (1 hour seminar)

### **498B. Senior Seminar for Dietetics II (1)**

Prerequisite: NUTR 498A.

Designed to showcase the outcomes of the nutrition program by presenting students' portfolios, engaging in networking, and completing the senior assessment and survey of the DPD program.

Letter grade only. (A-F). (1 hour seminar).

# PHYSICAL THERAPY

College of Health and Human Services

**Department Chair:** Jody Cormack

**Department Office:** Engineering Technology Building, Room 130

**Telephone:** (562) 985-4072

**Faculty:** George Beneck, Joyce Campbell, Kay Cerny, Jody Cormack, Kristin De Mars, Vennila Krishnan, Olfat Mohamed, Jeff Rodrigues, Albert C. Russo, Nina Surber, Hsiang-Ling ( Sharon) Teng

**Department Coordinators:** Gloria Dacanay, Michelle Ramirez

## Doctor of Physical Therapy

The program is designed to prepare the student for entry-level doctoral practice as a physical therapist. Graduates are employed in a variety of settings, including hospitals, rehabilitation centers and private physical therapy clinics. The Doctor of Physical Therapy program is open to all college graduates who have met prerequisite requirements and demonstrate sufficient preparation, potential for professional education and ability to perform the essential functions needed to practice as a physical therapist as determined by physical therapy faculty review of admission documents. Admission shall be granted on a competitive basis; meeting the admission requirements qualifies an individual for, but does not guarantee admission to the program.

## Admission Requirements

1. Complete the university application to be admitted with graduate standing by the deadline of January 15 and complete the PTCAS application by the application deadline November 1 for admission the following summer.
2. Submit to the university and PTCAS results of the General Aptitude Section of the Graduate Record Examination (quantitative, verbal, and analytical), taken within the past 5 years.
3. Provide PTCAS with three letters of recommendation attesting to the potential for success as a physical therapist and/or the scholarly potential of the applicant;
  - At least one letter must be from a physical therapist with whom the applicant had a professional association, and
  - One from a professor for a prerequisite course which the applicant completed.
  - If the applicant previously has been employed, the third letter should be from an employer.
  - If the applicant previously has not been employed, the third letter should be from a physical therapist with whom the applicant had a professional association.
4. Provide documentation of knowledge of physical therapy through a minimum of 100 documented hours of paid or volunteer experience under the direct supervision of a licensed physical therapist; and
5. Provide a written statement of purpose reflecting the applicant's commitment to physical therapy.
6. Meet prerequisite requirements

## Prerequisites

1. Hold, or be eligible to hold, an acceptable baccalaureate

degree from an institution accredited by a regional accrediting association or have completed equivalent academic preparation as determined by an appropriate campus authority, by the end of the spring semester prior to admission to the program.

2. Have attained a cumulative grade point average of at least 3.0 (A=4.0),
3. Have been in good academic, professional, and clinical standing at the last institution and if applicable in the last entry-level physical therapist educational program attended,
4. Successfully have completed the following courses with a minimum of "C" and a minimum grade point average of 3.0 by the end of the fall semester prior to the year of admission to the program. No course may be repeated more than once and no more than 3 prerequisite courses may be repeated. CR/NC grades, correspondence courses, or independent study courses cannot be used for prerequisite requirements. Only 2 classes may be in progress during the fall semester of application and all prerequisite courses must be completed by the end of the Fall semester of application.

### Natural Sciences:

Take all of the following courses:

CHEM 111A General Chemistry (5)

Prerequisites: A passing score on the Chemistry Placement Examination.

Corequisite: MATH 109 or higher.

CHEM 111B General Chemistry (5)

Prerequisites: CHEM 111A and MATH 113 or MATH 115 or MATH 117 or MATH 119A or MATH 122 all with a grade of "C" or better.

PHYS 100A General Physics (4)

Prerequisite: MATH 109 or MATH 113 or MATH 119A or MATH 120 or MATH 122.

PHYS 100B General Physics (4)

Prerequisite: MATH 109 or MATH 113 or MATH 119A or MATH 120 or MATH 122; PHYS 100A.

### Biological Sciences:

Take all of the following courses:

BIOL 208 Human anatomy (4)

Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

BIOL 211 Introduction to Evolution and Diversity (4)

Prerequisite/Corequisite: CHEM 111A with a grade of "C" or better.

BIOL 212 Introduction to Cell and Molecular Biology (4)

Prerequisites: Completion of BIOL 211 and CHEM 111A with grades of "C" or better.

Prerequisite/Corequisite: CHEM 111B

Take either the following courses:

BIOL 207 Human Physiology (4)

Prerequisites: GE Foundation requirements.

or

BIOL 213 Introduction to Ecology and Physiology (4)

Prerequisites: BIOL 211, BIOL 212, CHEM 111B, each with a grade of "C" or better.



### Biostatistics:

Take the following:

BIOL 260 Biostatistics (3) (preferred)

Prerequisites: BIOL 201 or BIOL 207 or BIOL 211 or MICR 200; MATH 111 or MATH 113 or MATH 119A or MATH 122 all with a grade of "C" or better.

### Behavioral Sciences:

Take the following:

PSY 100 General Psychology (3)

Prerequisite/Corequisite: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

Admission shall be granted on a competitive basis; meeting the admission requirements qualifies an individual for, but does not guarantee admission to the program.

### Retention

1. Maintain a 3.0 or better grade point average in all graduate work completed.
2. Make continuous satisfactory progress toward the degree objective.

### Advancement to Candidacy

1. Satisfy the general University requirements for advancement to candidacy.
2. Obtain classified status.
3. Have earned a minimum 3.0 grade-point average in all program graduate work as well as a minimum overall 3.0 in all graduate work attempted.
4. Fulfill the Graduation Writing Assessment Requirement (GWAR) by scoring 11 or higher on the Writing Proficiency Exam (WPE) or earning a score of 4.0 on the Analytical Writing Component of the GRE.
5. Complete a minimum of one semester (fall session) of graduate level coursework in the program.
6. Be enrolled during the term in which advancement to candidacy takes place.
7. Obtain approval for one's individual program plan from the Graduate Advisor and then from the Associate Dean of the College of Health and Human Services.

### Qualifying Assessment

1. Successfully complete the Doctoral Project Proposal Paper and Oral Presentation.
2. Earn good standing in the clinical education program (beginner status on Clinical Performance Instrument [CPI] for DPT 781).
3. Demonstrate adherence to the essential physical, emotional and professional practice expectations of a physical therapist in the classroom and clinic (entry level on CPI skills 1 and 2 for DPT 781, acceptable practice in DPT 731, DPT 733 and DPT 741)

### Requirements for Clinical Coursework

Criminal background check, health insurance, titers and immunizations, medical clearance, malpractice insurance, CPR certification (lifesaving course with lab), and adhering to the department essential functions are required for clinical coursework.

### Admittance to Terminal Clinical Internships

Successfully complete Didactic Curriculum

### Degree Requirements

The Doctor of Physical Therapy degree program is a 116-summer, three year, full-time cohort program including summer sessions that includes terminal internship of 12 units.

### Core:

Take all of the following courses:

DPT 701A Anatomy for Physical Therapy I (2)  
Prerequisites: Admission to DPT program.

DPT 701B Anatomy for Physical Therapy II (2)  
Prerequisite: DPT 701A.

DPT 701C Anatomy for Physical Therapy III (2)  
Prerequisite: DPT 701B.

DPT 703 Neuroanatomy (3)  
Prerequisite: DPT 701A. Corequisite: DPT 701B.

DPT 704 Tissue Mechanics (2)  
Corequisite: DPT 701A.

DPT 705 Biomechanical Principles (3)  
Prerequisite(s): DPT 701A, DPT 701B  
Corequisite(s): DPT 701C.

DPT 706 Physiology for Therapists (6)  
Prerequisite: Admission to the DPT program.

DPT 707 Physical Therapy across the Life Span (2)  
Prerequisite(s): DPT 701A and DPT 701B  
Corequisite(s): DPT 701C.

DPT 708 Motor Learning and Motor Control (2)  
Prerequisite: Admission to DPT program.

DPT 709 Exercise Science for Physical Therapy (3)  
Prerequisite(s): DPT 701A, DPT 701B, DPT 701C, DPT 704, DPT 706.

DPT 710 Pathology for Physical Therapy (3)  
Prerequisite: Admission to DPT program.

DPT 720 Professional Interactions (3)  
Prerequisite: Admission to DPT program.

DPT 721 Professional Practice Issues (2)  
Prerequisite: DPT 720.

DPT 722 Critical Thinking for Physical Therapy (1)  
Prerequisites: DPT 720, DPT 721.

DPT 731 Physical Therapy Principles of Acute Care (2)  
Prerequisite(s): DPT 701A, DPT 701B, DPT 701C, DPT 703.

DPT 732 Examination of Individuals with Musculoskeletal Disorders (3)  
Prerequisite: DPT 705.

DPT 733 Interventions for Individuals with Musculoskeletal Disorders (4)  
Prerequisites: DPT 705, DPT 732.

DPT 734 Advanced Management of Individuals with Musculoskeletal Disorders (2)  
Prerequisites: DPT 705, DPT 732, DPT 733.

DPT 735 Normal and Pathological Gait (2)  
Prerequisite: DPT 705.

DPT 736 Management of Individuals with Orthotic and Prosthetic Needs (2)  
Prerequisites: DPT 732, DPT 735.

DPT 737 Sports Rehabilitation in Physical Therapy (2)  
Prerequisite: DPT 734.

DPT 740 Evaluation of Individuals with Neuromuscular

Disorders (2)  
Prerequisite: DPT 703.

DPT 741 Intervention for Individuals with Neuromuscular Disorders I (3)  
Prerequisites: DPT 740. Corequisite: DPT 782.

DPT 742 Intervention for Individuals with Neuromuscular Disorders II (1)  
Prerequisites: DPT 740, DPT 741.

DPT 743 Electroneuromyographic Management I (2)  
Prerequisite(s): DPT 701C and DPT 703.

DPT 744 Electroneuromyographic Management II (2)  
Prerequisite: DPT 743.

DPT 745 Management of the Pediatric Population (3)  
Prerequisites: DPT 707, DPT 740.

DPT 746 Advanced Management of Individuals with Neuromuscular Disorders (1)  
Prerequisites: DPT 740, DPT 741, DPT 742.

DPT 750 Imaging for Physical Therapists (2)  
Prerequisites: DPT 710, DPT 732.

DPT 751 Pharmacology for Physical Therapists (2)  
Prerequisite: Admission to DPT program.

DPT 752 Differential Diagnosis for Physical Therapists (2)  
Prerequisites: DPT 743, DPT 750, DPT 751.

DPT 760 Management of Individuals with Cardiopulmonary Disorders (3)  
Prerequisites: DPT 706, DPT 709.

DPT 765 Management of Individuals with Integumentary Disorders (2)  
Prerequisites: DPT 710.

DPT 767 Management of the Geriatric Population (2)  
Prerequisites: DPT 733, DPT 734, DPT 741, DPT 760.

DPT 768 Clinical Pathophysiology (3)  
Prerequisites: DPT 707, DPT 710, DPT 731, DPT 750, DPT 751, DPT 752.

DPT 769 Advanced Management of Individuals with Cardiopulmonary Disorders (1)  
Prerequisite: DPT 760.

DPT 770 Health Care Delivery I (2)  
Prerequisites: DPT 721, DPT 722.

DPT 771 Health Care Delivery II (2)  
Prerequisite: DPT 770.

DPT 780A Orthopedic Integrated Clinical Experience I (1)  
Prerequisite: DPT 732.

DPT 780B Orthopedic Integrated Clinical Experience II (1)  
Prerequisite: DPT 732, DPT 733, DPT 734.

DPT 781 Full Time Clinical Experience I (3)  
Prerequisites: DPT 731, DPT 732, DPT 735, DPT 740.

DPT 782 Neurological Integrated Clinical Experience I (1)  
Prerequisite: DPT 740. Corequisite: DPT 741.

DPT 783 Neurological Integrated Clinical Experience II (1)  
Prerequisite: DPT 782.

DPT 784 Full Time Clinical Experience II(3)  
Prerequisites: DPT 733, DPT 734, DPT 741, DPT 760, DPT 781.

DPT 796 Research Methods (2)  
Prerequisite: Admission to DPT program.

Take a total of 6 units of each of the following:

DPT 785 Clinical Internship I (6)  
Prerequisites: DPT 752, DPT 781, DPT 784.

DPT 786 Clinical Internship II (6)  
Prerequisites: DPT 781, DPT 784, DPT 785.

Take a total of 4 units of the following:

DPT 797 Doctoral Project (1-4)  
Prerequisite: DPT 796.

Elective:

DPT 791 Current Trends in Physical Therapy (1)  
Prerequisite: Admission to DPT program or consent of instructor.

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## Doctor of Physical Therapy Courses (DPT)

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### 701A. Anatomy for Physical Therapy I (2)

Prerequisites: Admission to DPT program.

Course Description: Advanced study of the structure and function of the neuromusculoskeletal systems including surface contour, myology, joint structure, and neurovascular supply. Regional emphasis concentrates on the upper extremity.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours) Not open to students with credit in DPT 701A.

### 701B. Anatomy for Physical Therapy II (2)

Prerequisite: DPT 701A.

Advanced study of the structure and function of the neuromusculoskeletal systems including surface contour, myology, joint structure, and neurovascular supply. Regional emphasis concentrates on the lower extremity.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours) Not open to students with credit in DPT 701B.

### 701C. Anatomy for Physical Therapy III (2)

Prerequisite: DPT 701B.

Continuation of DPT 701A and DPT 701B. Advanced study of the structure and function of the neuromusculoskeletal systems with emphasis on surface contour, myology, joint structure, and neurovascular supply. Regional emphasis concentrates on the head, neck and trunk.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

### 703. Neuroanatomy (3)

Prerequisite: DPT 701A.

Corequisite: DPT 701B.

Human neuroanatomy with emphasis on the structure and function of the central nervous system, and connecting peripheral pathways for human function and movement. Neuroanatomical and vascular lesions will be discussed with emphasis on differential diagnosis and neuropathology.

Letter grade only (A-F). Lecture/discussion 2 hours, laboratory 3 hours)

### 704. Tissue Mechanics (2)

Corequisite: DPT 701A.

Advanced study of tissue (bone, muscle, dense fibrous connective tissue, cartilage, nerve) mechanics and pathomechanics including use and disuse with application to joint mechanics.

Letter grade only (A-F). (Lecture/discussion 2 hours)

### 705. Biomechanical Principles (3)

Prerequisite(s): DPT 701A, DPT 701B

Corequisite(s): DPT 701C.

Advanced study of joint mechanics and pathomechanics with application to therapeutic procedures, posture and movement of the limbs, temporomandibular joint, neck and trunk.

Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

### **706. Physiology for Therapists (6)**

Prerequisite: Admission to the DPT program.

Advanced study of the mechanisms of function of the organ systems of the human body and the contribution of these systems to organismal homeostasis. Systems studied include the nervous, endocrine, musculoskeletal, sensory, cardiovascular, respiratory and renal.

Letter grade only (A-F). (Lecture/discussion 6 hours)

### **707. Physical Therapy Across the Life Span (2)**

Prerequisite(s): DPT 701A and DPT 701B

Corequisite(s): DPT 701C.

Investigation and analysis of human development across the lifespan with emphasis on body systems contributing to the development of movement. Also addresses health risks, preventive strategies and wellness, including gender issues.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

### **708. Motor Learning and Motor Control (2)**

Prerequisite: Admission to DPT program.

Theories and models of motor control and mechanisms underlying plasticity related to functional movement across the lifespan. Theories and models of normal and impaired motor learning (implicit and explicit), including application of concepts to feedback and practice in physical therapy.

Letter grade only (A-F). (Lecture/discussion 2 hours)

### **709. Exercise Science for Physical Therapy (3)**

Prerequisite(s): DPT 701A, DPT 701B, DPT 701C, DPT 704, DPT 706.

Study of systems challenged and altered by exercise in health and pathology. Includes exercise measurement, exercise prescription and intervention and strength and conditioning preparation.

Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

### **710. Pathology for Physical Therapy (3)**

Prerequisite: Admission to DPT program.

Advanced study of abnormal function as a result of disease. Includes general pathology and selected systems pathology, encompassing cardiovascular, pulmonary, musculoskeletal, peripheral and central nervous systems, and integumentary systems.

Letter grade only (A-F). (Lecture/discussion 3 hours)

### **720. Professional Interactions (3)**

Prerequisite: Admission to DPT program.

Self-awareness of how personality, learning preferences, and personal values affect professional interactions. Includes effective communication, conflict resolution, and eliciting patient values and goals. Also, communicating with patients who have experienced disability, sexual dysfunction, or issues with coping or dying.

Letter grade only (A-F). (Lecture/discussion 3 hours)

### **721. Professional Practice Issues (2)**

Prerequisite: DPT 720.

Focus on professionalism and professional values including evidence-based practice, the critical analysis of evidence, and cultural competence. Also the role of the physical therapist in facilitation of health care behavior change and educating patients and the community.

Letter grade only (A-F). (Lecture/discussion 2 hours)

### **722. Critical Thinking for Physical Therapy (1)**

Prerequisites: DPT 720, DPT 721.

Critical thinking models and activities to promote problem solving and decision making in the physical therapy setting.

Letter grade only (A-F). (Lecture/discussion 1 hour)

### **731. Physical Therapy Principles of Acute Care (2)**

Prerequisite(s): DPT 701A, DPT 701B, DPT 701C, DPT 703.

Patient management in the acute care setting with emphasis on interpretation of laboratory values and physiological monitoring as the basis for functional training and use of assistive devices. Includes physical agents and introduction to wheelchair seating and positioning.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

### **732. Examination of Individuals with Musculoskeletal Disorders (3)**

Prerequisite: DPT 705.

Physical therapist examination and evaluation for individuals with musculoskeletal disorders. Includes examination (history, screening, tests and measures), evaluation, diagnosis, prognosis, anticipated goals, expected outcomes, re-examination, and criteria for discharge.

Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

### **733. Interventions for Individuals with Musculoskeletal Disorders (4)**

Prerequisites: DPT 705, DPT 732.

Plan of care for the individual with musculoskeletal system disorders that is safe, effective and patient centered. Includes monitoring and adjusting plan of care, patient education, documentation, and use of supportive personnel.

Letter grade only (A-F). (Lecture/discussion 3 hours, laboratory 3 hours)

### **734. Advanced Management of Individuals with Musculoskeletal Disorders (2)**

Prerequisites: DPT 705, DPT 732, DPT 733.

Physical therapist management of individuals with musculoskeletal disorders. Includes examination, evaluation, diagnosis, prognosis, expected outcomes, re-examination, and criteria for discharge. Includes safe, patient-centered plan of care, patient education, documentation, and use of supportive personnel.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

### **735. Normal and Pathological Gait (2)**

Prerequisite: DPT 705.

Kinematics and kinetics of normal and pathological gait with emphasis on critical analysis of gait deviations and their causes in preparation for intervention.

Letter grade only (A-F). (Lecture 1 hour, laboratory 3 hours)

### **736. Management of Individuals with Orthotic and Prosthetic needs (2)**

Prerequisites: DPT 732, DPT 735.

The prescription, application, and fabrication of devices and equipment (orthotic, prosthetic, supportive splinting, and taping).

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

### **737. Sports Rehabilitation in Physical Therapy (2)**

Prerequisite: DPT 734

Physical therapy examination, evaluation, and intervention for athletes with sport related injuries. Includes examination, evaluation, diagnosis, prognosis, expected outcomes, re-examination, and criteria for discharge.

Letter grade only (A-F). (4 hours of activity)

#### **740. Evaluation of Individuals with Neuromuscular Disorders (2)**

Prerequisite: DPT 703.

Physical therapist examination and evaluation for individuals with neuromuscular disorders. Includes examination (task and movement analysis, tests and measures for body structure and function, activity, and participation) evaluation, diagnosis, prognosis, anticipated goals, expected outcomes, re-examination, and criteria for discharge.

Letter grade only (A-F). (Lecture 1 hour, laboratory 3 hours)

#### **741. Intervention for Individuals with Neuromuscular Disorders I (3)**

Prerequisites: DPT 740.

Corequisite: DPT 782.

Intervention for individuals with disorders of the central neuromuscular system. Planning and implementation of plan of care that is safe, effective and patient centered; monitoring and adjusting plan of care; patient education; documentation; use of supportive personnel.

Letter grade only (A-F). (Lecture 1 hour, laboratory 3 hours)

#### **742. Intervention for Individuals with Neuromuscular Disorders II (1)**

Prerequisites: DPT 740, DPT 741.

Intervention for individuals with disorders of the spinal cord and peripheral nerves. Planning and implementation of plan of care that is safe, effective and patient centered; monitoring and adjusting plan of care; patient education; documentation; use of supportive personnel.

Letter grade only (A-F). (Laboratory 3 hours)

#### **743. Electroneuromyographic Management I (2)**

Prerequisite(s): DPT 701C and DPT 703.

Physiological and neurological basis for the selection of electroneuromyographic [ENMG] assessment and intervention in the management of neuromusculoskeletal and peripheral nerve disorders.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

#### **744. Electroneuromyographic Management II (2)**

Prerequisite: DPT 743.

Physiological and neurological basis for the selection of electroneuromyographic [ENMG] assessment and intervention in the management of central nervous system and mixed central and peripheral nervous system disorders.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

#### **745. Management of the Pediatric Population (3)**

Prerequisites: DPT 707, DPT 740.

Physical therapist management of the pediatric individual with neuromusculoskeletal disorders. Includes examination, evaluation, diagnosis, prognosis, expected outcomes, re-examination, and criteria for discharge. Includes safe, patient-centered plan of care, patient education, documentation, and use of supportive personnel.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

#### **746. Advanced Management of Individuals with Neuromuscular Disorders (1)**

Prerequisites: DPT 740, DPT 741, DPT 742.

Physical therapist advanced management of individuals with complex neurologic disorders. Integrates and advances knowledge and skills related to evaluation and intervention. Includes community re-integration, home assessment, and management of the complex patient.

Letter grade only (A-F). (Lecture/discussion 1 hour)

#### **750. Imaging for Physical Therapists (2)**

Prerequisites: DPT 710, DPT 732.

Knowledge and skills of radiology and imaging necessary for a comprehensive evaluation to design a rehabilitation program. Includes roentgenograms, dynamic and static MRI, CT, scintillography, PET, ultrasound, bone densitometry, and radioisotopes.

Letter grade only (A-F). (Lecture/discussion 2 hours)

#### **751. Pharmacology for Physical Therapists (2)**

Prerequisite: Admission to DPT program.

Study of the method of action, indications, contraindications and side effects of drugs commonly used by patients seen in physical therapy. Includes knowledge and skills necessary to perform a comprehensive evaluation necessary to design a rehabilitation program.

Letter grade only (A-F). (Lecture/Discussion 2 hours)

#### **752. Differential Diagnosis for Physical Therapists (2)**

Prerequisites: DPT 743, DPT 750, DPT 751.

Anatomical and physiological basis for patient screening to determine if referral to a medical doctor is required in the event that a medical condition supersedes or mimics a condition requiring physical therapy intervention.

Letter grade only (A-F). (Lecture/discussion 2 hours)

#### **760. Management of Individuals with Cardiopulmonary Disorders (3)**

Prerequisites: DPT 706, DPT 709.

Physical therapist management of individuals with cardiovascular and pulmonary disorders. Includes examination, evaluation, diagnosis, prognosis, expected outcomes, and criteria for re-examination and discharge. Includes safe, patient-centered plan of care, patient education, documentation and use of supportive personnel.

Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

#### **765. Management of Individuals with Integumentary Disorders (2)**

Prerequisites: DPT 710.

Physical Therapy management of individuals with integumentary (skin) disorders including examination, evaluation, diagnosis, prognosis, intervention, re-examination and criteria for discharge.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

#### **767. Management of the Geriatric Population (2)**

Prerequisites: DPT 733, DPT 734, DPT 741, DPT 760.

Physical therapy management of the geriatric patient/client including examination, evaluation, diagnosis, prognosis and intervention with anticipated goals, expected outcomes, criteria for discharge and re-examination.

Letter grade only (A-F). (Lecture/discussion 1 hours, laboratory 3 hours)

#### **768. Clinical Pathophysiology (3)**

Prerequisites: DPT 707, DPT 710, DPT 731, DPT 750, DPT 751, DPT 752.

Pathophysiology of connective tissue in musculoskeletal, neuromuscular, cardiopulmonary and integumentary disorders as a basis for physical therapy evaluation, diagnosis, goal setting and conservative as well as pre and post-operative intervention in patients with multiple systemic disorders.

Letter grade only (A-F). (Lecture/discussion 3 hours)

### **769. Advanced Management of Individuals with Cardiopulmonary Disorders (1)**

Prerequisite: DPT 760.

Advanced management of individuals with cardiovascular and pulmonary disorders. Includes integration of cardiovascular and pulmonary disorders with other disorders commonly treated by physical therapists.

Letter grade only (A-F). (Lecture/discussion 1 hour)

### **770. Health Care Delivery I (2)**

Prerequisites: DPT 721, DPT 722.

Investigation of the health care delivery system including the legal, regulatory, political, ethical and professional duties of Physical Therapists. Includes laws and regulations governing compliant human management and environmental safety.

Letter grade only (A-F). (Lecture/discussion 2 hours)

### **771. Health Care Delivery II (2)**

Prerequisite: DPT 770.

Investigation of the process of planned direction, organizational theory and management, and economics and fiscal management of physical therapy delivery including marketing and promotion.

Letter grade only (A-F). (Lecture/discussion 2 hours)

### **780A. Orthopedic Integrated Clinical Experience I (1)**

Prerequisite: DPT 732.

Supervised clinical practice for management of the client with disorders of the musculoskeletal system. Includes examination, evaluation, intervention, written and verbal communication, advocacy, and client/family caregiver education.

Letter grade only (A-F). (Clinic 1 hour)

May be repeated in different semesters to a maximum of 2 units.

### **780B. Orthopedic Integrated Clinical Experience II (1)**

Prerequisites: DPT 732, DPT 733, DPT 734.

Supervised clinical practice for management of the client with disorders of the musculoskeletal system. Includes examination, evaluation, intervention, written and verbal communication, advocacy, and client/family caregiver education.

Letter grade only (A-F). (Clinic 1 hour)

May be repeated in a different semester to a maximum of 2 units.

### **781. Full Time Clinical Experience I (3)**

Prerequisites: DPT 731, DPT 732, DPT 735, DPT 740.

Six weeks of supervised full-time clinical practice in the acute care or outpatient physical therapy setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.

Credit/No Credit grading only. May be repeated in different semesters to a maximum of 6 units in different semesters. (Clinical Practice 6 weeks)

### **782. Neurological Integrated Clinical Experience I (1)**

Prerequisite: DPT 740.

Corequisite: DPT 741.

Supervised pro bono clinical practice for management of the client with disorders of the neuromusculoskeletal systems. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.

Grading: Letter grade only (A-F). May be repeated in different semesters to a maximum of 2 units. (Clinic 1 hour)

### **783. Neurological Integrated Clinical Experience II (1)**

Prerequisite: DPT 782.

Supervised advanced pro bono clinical practice for management of the client with disorders of the neuromusculoskeletal systems. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education. Focus on problem solving and decision making.

Letter grade only (A-F). May be repeated in different semesters to a maximum of 2 units. (Clinic 1 hour)

### **784. Full Time Clinical Experience II (3)**

Prerequisites: DPT 733, DPT 734, DPT 741, DPT 760, DPT 781.

Six weeks of supervised full-time clinical practice in an inpatient or outpatient physical therapy setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.

Credit/No Credit Grading only. May be repeated in different semesters to a maximum of 12 units. (Clinical Practice 6 weeks)

### **785. Clinical Internship I (6)**

Prerequisites: DPT 752, DPT 781, DPT 784.

Six weeks of supervised full-time clinical practice in an inpatient or outpatient physical therapy setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.

Credit/No Credit Grading only. May be repeated to a maximum of 12 units in the same semester. (Clinical Practice 6 weeks)

### **786. Clinical Internship II (6)**

Prerequisites: DPT 781, DPT 784, DPT 785.

Six weeks of supervised full-time clinical practice in an inpatient or outpatient physical therapy setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education. Setting will be different from DPT 785 internship.

Credit/No Credit Grading only. May be repeated to a maximum of 12 units in the same semesters. (Clinical Practice 6 weeks)

### **790. Selected Topics in Physical Therapy (1-3)**

Prerequisite: Admission to DPT program or consent of instructor.

Topics of current interest in physical therapy selected for special presentation.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. Topics announced in the *Schedule of Classes*.

### **791. Current Trends in Physical Therapy (1)**

Prerequisite: Admission to DPT program or consent of instructor.

Current trends in physical therapy selected for special presentation.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. Practice trend announced in the *Schedule of Classes*.

### **796. Research Methods (2)**

Prerequisite: Admission to DPT program.

Scientific inquiry with emphasis on information searching. Includes epidemiology, research design, measurement theory, applied statistics, critical inquiry and clinical decision-making guidelines, research ethics, and the examination of research intended to validate physical therapy practice.

Letter grade only (A-F). (Lecture/discussion 2 hours)

### **797. Doctoral Project (1-4)**

Prerequisite: DPT 796.

Research in an area of specialization in physical therapy under the direction of a faculty sponsor.

Letter grade only (A-F). A total of 4 units must be completed. May be repeated to a maximum of 4 units in different semesters.

# GRADUATE CENTER FOR PUBLIC POLICY AND ADMINISTRATION

College of Health and Human Services

**Director:** Edward J. Martin

**Center Office:** Social Science Public Affairs Bldg. (SS/PA),  
Room 228

Telephone: (562) 985-4178

**Faculty:** Walter F. Baber, Edward Martin, William Moore, John W. Ostrowski, David C. Powell, Michelle A. Saint-Germain

**Department Coordinator:** Kathy Allan

**Distance Learning:** Sheryl Caito

Telephone: (562) 985-4179

## Career Possibilities

Management Analyst • City Manager • Financial Analyst • Project Manager • Presidential Management Intern (PMI) • Non-Profit Management (Some of these, and other careers, require additional education or experience. For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

## Introduction

The Center offers the Master of Public Administration degree; options in the degree program include Public Works Administration and Urban Affairs; and graduate certificate programs in Urban Executive Management, Public Management Analyst, Employer-Employee Relations and Personnel Management, Public Sector Financial Management, and Transportation Policy and Planning.

Admission applications are encouraged from persons with successful government service who wish to pursue the degree, part-time or full-time. A detailed summary of requirements, current course offerings and procedures are contained in student handbooks available from the Graduate Center for Public Policy and Administration and on its website at <http://www.csulb.edu/ppa>.

The Center is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA), Commission on Peer Review and Accreditation.

## Admission Requirements

1. Minimum 3.0 Undergraduate GPA
2. Demonstrated competence in professional writing. A listing of ways you can demonstrate writing competence is available in the Center office (SSPA 228) or on the Center website: <http://www.csulb.edu/ppa/>
3. Quality of professional experience as evaluated by Center faculty. This evaluation will be based on the applicant's current job description, resume, any other materials submitted by the applicant, and the length of professional service.
4. Other evidence of applicant's potential to undertake and successfully complete the MPA course of study: faculty may consider other evidence submitted by the applicant; for example, scores on optional standardized examinations such as the GRE, GMAT, LSAT, or other recognized standardized examinations.

Following admission to the University and acceptance

to the Center, each student should meet with a faculty advisor. The faculty advisor will provide advice to the student on program course requirements and elective opportunities, and counsel the student in the chosen elective area.

A student whose overall grade point average is less than 3.0, but who presents acceptable evidence of professional potential shown through recent academic performance and experiential background, may be admitted by special action of the Center.

## Advancement to Candidacy

1. Fulfillment of the Graduate Writing Assessment Requirement (GWAR)
2. Minimum GPA of 3.0 in all graduate work completed at this University, or transferred from other sources, to meet degree or program requirements.
3. Successful completion (grade of "B" or better) of six units in the MPA program.
4. Completion of the orientation requirement.

## Transfer of Credit

Students who have completed a graduate certificate program in the Public Management Analyst, Employer-Employee Relations and Personnel Management, Public Sector Financial Management, or Transportation Policy and Planning, may transfer up to 15 units of credit earned in the certificate program to be applied to the Center's Master of Public Administration degree program. The student must apply to the Center for admission as a degree candidate.

Students who have completed the academic requirements for the Master of Public Administration degree, prior to applying for admission to a graduate certificate program in the Center, may apply up to 6 units of credit earned in the MPA program for the required or elective courses in a certificate program.

## Master of Public Administration

This is a 39-unit program. A common grounding in the core areas of public policy and administration is required; beyond this, considerable freedom of choice enables students to select subjects which fit their particular backgrounds or career objectives.

## Admission Requirements

1. Minimum 3.0 Undergraduate GPA
2. Demonstrated competence in professional writing. A listing of ways you can demonstrate writing competence is available in the Center office (SSPA 228) or on the Center website: [www.csulb.edu/ppa/](http://www.csulb.edu/ppa/)
3. Quality of professional experience as evaluated by Center faculty. This evaluation will be based on the applicant's current job description, resume, any other materials submitted by the applicant, and the length of professional service.

- Other evidence of applicant's potential to undertake and successfully complete the MPA course of study: faculty may consider other evidence submitted by the applicant; for example, scores on optional standardized examinations such as the GRE, GMAT, LSAT, or other recognized standardized examinations.

Following admission to the University and acceptance to the Center, each student should meet with a faculty advisor.

A student whose overall grade point average is less than 3.0, but who presents acceptable evidence of professional potential shown through recent academic performance and experiential background, may be admitted by special action of the Center.

### Orientation Requirement

All students must attend a mandatory Center orientation within the first two semesters of acceptance into the MPA Program.

### Requirements

- A minimum of 39 course units in graduate course work, with a minimum of 28 units of 500/600 level courses in public policy and administration;
- Satisfactory completion of the following:
  - PPA 500 Foundations of Public Policy and Administration (3)  
Prerequisites: None.
  - PPA 555 Government Budgeting and Finance (3)  
Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
  - PPA 577 Public Sector Human Resources Management (3)  
Prerequisites: None.
  - PPA 660 Seminar in Organization Theory and Behavior (3)  
Prerequisites: None.
  - PPA 670 Policy Issue Analysis (3)  
Prerequisites: None.
  - PPA 696 Research Methods in Public Administration (3)  
Prerequisite: PPA 517 or STAT 108 or equivalent with a grade of "C" or better.
- Completion of approved internship program (PPA 585) as required course work beyond the 39-unit minimum, or waiver of the internship requirement based on professional experience;
- Additional elective course work in elective fields to meet the 39-unit minimum;
- Successful completion of the following:
  - PPA 697 Directed Research (3,3)  
Prerequisites: Advancement to candidacy, completion of required MPA courses, consent of instructor.

An approved Student Learning Portfolio

### University Courses Acceptable for the Master of Public Administration

A wide variety of graduate courses in other departments also are acceptable. Graduate course descriptions are found in the department listings in which they are offered. Consult with Center Faculty for more information.

## Option in Urban Affairs

### Admission

The general standards for admission are identical to those for the Master of Public Administration degree program. An applicant must demonstrate a background of related undergraduate course work of twelve units, or significant management and/or staff experience in public administration.

### Requirements

- A minimum of 39 course units in graduate course work, with a minimum of 28 units of 500/600 level courses in public policy and administration;
- Satisfactory completion of the following:
  - PPA 500 Foundations of Public Policy and Administration (3)  
Prerequisites: None.
  - PPA 555 Government Budgeting and Finance (3)  
Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
  - PPA 577 Public Sector Human Resources Management (3)  
Prerequisites: None.
  - PPA 610 Seminar in Urban Affairs (3)  
Prerequisites: None.
  - PPA 660 Seminar in Organization Theory & Behavior (3)  
Prerequisites: None.
  - PPA 670 Policy Issue Analysis (3)  
Prerequisites: None.
  - PPA 696 Research Methods in Public Administration (3)  
Prerequisite: PPA 517 or STAT 108 or equivalent with a grade of "C" or better.
- Completion of an approved internship program (PPA 585) as required course work beyond the 39-unit minimum, or waiver of the internship requirement based on professional experience;
- Completion of 12 units of elective course work from: PPA 512, PPA 517, PPA 522, PPA 523, PPA 525, PPA 533, PPA 535, PPA 540, PPA 546, PPA 547, PPA 567, PPA 571, PPA 575, PPA 581, PPA 590; CRJU 530, CRJU 504, CRJU 621; EDAD 541, EDAD 544; EDP 520, EDP 536; GEOG 650, GEOG 666; HIST 673; POSC 640; REC 521, REC 571.
- Successful completion of the following:
  - PPA 697 Directed Research (3,3)  
Prerequisites: Advancement to candidacy, completion of required MPA courses, consent of instructor.

An approved Student Learning Portfolio.

## Option in Public Works Administration

### Admission

The general standards for admission are identical to those for the Master of Public Administration degree program. An applicant must demonstrate a background of related undergraduate course work of twelve units, or significant management and/or staff experience in public administration. For this degree option, the experiential

background would be targeted to the public works and infrastructure sector.

### Requirements

1. A minimum of 39 course units in graduate course work, with a minimum of 28 units of 500/600 level courses in public policy and administration;
2. Satisfactory completion of the following:
  - PPA 500 Foundations of Public Policy and Administration (3)  
Prerequisites: None.
  - PPA 554 Public Works Facilities and Urban Policy (3)  
Prerequisites: None.
  - PPA 555 Government Budgeting and Finance (3)  
Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
  - PPA 577 Public Sector Human Resources Management (3)  
Prerequisites: None.
  - PPA 660 Seminar in Organization Theory and Behavior (3)  
Prerequisites: None.
  - PPA 670 Policy Issue Analysis (3)  
Prerequisites: None.
  - PPA 696 Research Methods in Public Administration (3)  
Prerequisite: PPA 517 or STAT 108 or equivalent with a grade of "C" or better.
3. Completion of an approved internship program (PPA 585) as required course work beyond the 39-unit minimum, or waiver of the internship requirement based on professional experience;
4. Completion of 12 units of elective course work selected from the following:
  - PPA 515, PPA 522, PPA 535, PPA 540, PPA 547, PPA 552, PPA 560, PPA 575, PPA 590; CE 520
5. Successful completion of an approved Student Learning Portfolio and 3-6 units of one of the following courses:
  - PPA 697 Directed Research (3)  
Prerequisites: Advancement to candidacy, completion of required MPA courses, consent of instructor.
  - CE 697 Directed Studies (1-3)  
Prerequisites: Graduate standing. Corequisites: CE 696 or written consent of directed studies advisor.

### Graduate Certificate in Public Management Analysis

This program is designed for men and women who work or desire to work in budgeting, policy formulation, financial management, or program evaluation offices of government agencies. The program prepares candidates with such skills as defining a problem; conducting cost benefit analysis; utilizing basic statistical techniques; conducting behavioral/political analysis; preparing and presenting reports; learning to blend qualitative, behavioral, and political skills necessary for success as an analyst in government.

Students may only pursue the certificate program in combination with a CSULB degree program.

### Prerequisite

In addition to general admission requirements, students should be employed in public service or related activities, or

have a goal of public service-related activities.

### Requirements

1. A minimum of 18 course units in graduate course work, including 4 required and 2 elective courses.
2. Satisfactory completion of the following:
  - PPA 515 Administrative Report Writing (3)  
Prerequisites: None.
  - PPA 517 Analytical Skills Development (3)  
Prerequisites: None.
  - PPA 521 Microcomputer Management for Public Administrators (3)  
Prerequisites: None.
  - PPA 555 Government Budgeting and Finance (3)  
Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
3. Satisfactory completion of 2 elective courses from:
  - PPA 522, PPA 523, PPA 540, and PPA 560

### Graduate Certificate in Public Sector Employer-Employee Relations and Personnel Management

This program is designed for public sector managers and those aspiring to enter public service who need the knowledge, skills, and abilities required to deal effectively with the critical area of public sector employee relations and personnel management. The primary goal is to provide the necessary training for public managers to effectively utilize human resources to their greatest potential in conjunction with the needs of the public organization.

Students may only pursue the certificate program in combination with a CSULB degree program.

### Requirements

1. A minimum of 18 course units in graduate course work, including 3 required and 3 elective courses.
2. Satisfactory completion of the following:
  - PPA 555 Government Budgeting and Finance (3)  
Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
  - PPA 575 Public Sector Employer-Employee Relations (3)  
Prerequisites: None.
  - PPA 577 Public Sector Human Resources Management (3)  
Prerequisites: None.
3. Satisfactory completion of 3 elective courses from:
  - PPA 533, PPA 570, PPA 571 and PPA 581

### Graduate Certificate in Public Sector Financial Management

This Certificate Program is designed for public managers and others interested in obtaining an understanding of governmental financial management concepts, functions, techniques, and issues. The program is designed to familiarize students with financial management problems and the techniques available for solving them. An emphasis is placed on how to recognize, evaluate, and utilize financial information in decision-making.

Those most interested in pursuing the Certificate would likely fall into one of three categories. First, current private sector finance professionals who wish to develop an understanding of financial management functions and



practices within the public sector. Second, current public sector financial managers who wish to further develop expertise in public sector financial management. Finally, in-service public sector employees who wish to start a career in government finance and who may use the courses for the Certificate as a guide for their course work towards the Master of Public Administration degree.

Students may only pursue the certificate program in combination with a CSULB degree program.

### Prerequisites

Certificate students will need to complete the following prerequisites:

- Calculus for Business or Calculus I with a grade of "C" or better or equivalent.
- Microeconomics with a grade of "C" or better.
- Elementary Financial Accounting with a grade of "C" or better.
- Statistics with a grade of "C" or better.

Note: Graduate level courses may be used to satisfy the above prerequisites but they may not be counted toward completion of the Certificate.

### Requirements

Take all of the following (18 units):

PPA 555 Government Budgeting and Finance (3)

Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.

PPA 590T Selected Topics in PPA - Public Finance (3)

Prerequisites: PPA 555.

PPA 560 Public Financial Management (3)

Prerequisite: PPA 555.

PPA 567 Basic Governmental (Fund) Accounting (3)

Prerequisite: PPA 555.

ACCT 610 Adv. Cost Accounting, Budgeting and

Control (3)

Prerequisites: ACCT 500 or equivalent with a grade of "C" or better.

IS 601 Quantitative Methods for Managerial Decision

Making (3)

Prerequisites: MBA standing required.

Note: Appropriate substitutes for the required courses may be allowed subject to permission of the Public Finance Specialization Faculty Advisor. Also, ACCT 610 and IS 601 have substantial prerequisites. Prospective students should refer to the University Catalog for details.

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## Courses (PPA)

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### 500. Foundations of Public Policy and Administration (3)

Concepts of the discipline; fundamentals of public organization theory, policy formulation and analysis, and administrative and management processes; management in the public interest; and ethics in government.

Letter grade only (A-F).

### 509. Seminar in Strategic Planning for Public Managers (3)

Prerequisite: Consent of instructor

Introduction to the theories and practice of strategic planning in public organizations. The course is designed to promote an understanding of the theories and approaches to strategic planning and help the student to acquire practical skills involved in strategic

planning.

Letter grade only (A-F).

### 510. Urban Environmental Governance (3)

An examination of the challenges of environmental protection and resource management confronting urban governments. An emphasis is placed on comparative and historical perspectives.

Letter grade only (A-F).

### 512. Urban Executive Management (3)

Examines problems confronting today's urban administrator and offers techniques for solving a variety of pressing problems. Subjects include managing in a local government setting issues such as public policy, planning, financial resources, personnel, and labor relations.

Letter grade only (A-F).

### 514. Municipal Law for Administrators (3)

Examination of major laws and legal issues affecting local government. Basic powers of cities including regulatory (police) powers, corporate (service) powers, taxation and eminent domain.

Letter grade only (A-F).

### 515. Administrative Report Writing (3)

Preparation of written documents required of public administrators.

Letter grade only (A-F).

### 517. Analytical Skills Development (3)

Designed to develop or improve the skills needed to perform analytical work in the public sector. Emphasis is on the methods of analysis and evaluation used in public service organizations. Communication of results will also be covered.

Letter grade only (A-F).

### 518. Microeconomics and Public Policy (3)

Covers key principles of microeconomics such as supply, demand, and market processes. Provides extensive coverage of topics that concern public section decisions, such as public goods, externalities, welfare analysis, and cost-benefit analysis.

Letter grade only (A-F).

### 521. Microcomputer Management for Public Administrators (3)

Focuses on the design, development, and management of microcomputer systems and applications in public organizations. Course elements: analysis of critical concepts and issues relating to management of computer systems, and hands-on computer laboratory experience for design, and use of applications.

Letter grade only (A-F).

### 522. Automating Government Administration (3)

The use of computers to assist government management. Special emphasis on automation of services. Provides an introductory background in computers and their applications to government systems and files for non-computer specialists.

Letter grade only (A-F).

### 523. Urban Information Systems for Public Management (3)

Overview of significant information technologies impacting government management: World-Wide Web and G.I.S. (Geographic Information Systems.) Introduces students to the construction and use of Web pages. Includes an introduction to GIS in public organizations. Extensive use of computers.

### 524. GIS Management and Applications for Public Managers (3)

Introduces students to the management and applications of Geographic Information Systems (GIS) in the Public Sector. Covers the requirements for designing and managing GIS applications for solving public sector problems. Hands-on use of GIS and analysis of GIS cases.

Letter grade only (A-F).

### **525. Non-Profit Management (3)**

Examination of principal characteristics, scope, and functional management areas (i.e., governance, fund development, board development, volunteer and staff management, intersectoral relations; budgeting) in American nonprofit organizations, with particular attention to the important roles of nonprofits in the delivery of health and human services.

Letter grade only (A-F).

### **533. Race, Inequality and Public Policy (3)**

Examines the multiple sources of ethnic, racial, gender, and class inequalities in the United States and how public policies have attempted to address these issues.

Letter grade only (A-F).

### **535. Intergovernmental Relations (3)**

Presents concepts and issues of U.S. intergovernmental relations. Topics include history of the field, intergovernmental finances, state and federal legislative processes, legislative advocacy, interorganizational management, and current issues.

Letter grade only (A-F).

### **540. Grants Administration and Management (3)**

Study of the various types of financial and technical assistance to local public and quasi-public agencies; the strategies for locating and obtaining grant programs support; and the development of effective project systems for externally funded projects.

Letter grade only (A-F).

### **542. Emergency Planning and Management (3)**

Planning and management processes and issues involved in large-scale emergencies; the nature of natural and technological risk and emergency, with attention to public sector roles in contingency planning and response.

Letter grade only (A-F). Same course as EMER 506. Not open for credit to students with credit in EMER 542 or EMER 506.

### **546. The Urban Crisis and the Public Administrator (3)**

Survey of the history of urbanization, the literature of urban power relations and decision-making, and the dynamics of race relations in the urban environment. Major focus on extensive interface with urban agency representatives.

Letter grade only (A-F).

### **547. Local Government Economic Development Processes (3)**

Discussion of the nature, goals and processes of locally based economic development programs. Definition of governmental incentives designed to maximize private investment. Explanation of property-related revenues from public and private perspectives.

Letter grade only (A-F).

### **554. Public Works Facilities and Urban Policy (3)**

Provides a study of public infrastructure essential to urban communities. Focus given to water, wastewater, transportation, solid waste, public facilities, and schools.

Letter grade only (A-F).

### **555. Government Budgeting and Finance (3)**

Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.

Presents the major concepts and skills associated with budget preparation for all levels of government. Topics include: budget processes and formats, basic principles of government accounting, revenue, and capital budgeting.

Letter grade only (A-F).

### **560. Public Financial Management (3)**

Prerequisite: PPA 555.

Focuses on financial planning, implementation and management control, financial reporting, and financial analysis used in public service organizations.

Letter grade only (A-F).

### **567. Basic Governmental (Fund) Accounting (3)**

Prerequisite: PPA 555.

Provides an introduction to unique characteristics of governmental accounting. Aspects of recording and reporting of financial transactions in public service organizations. Governmental auditing and financial condition analysis.

Letter grade only (A-F).

### **570. Negotiating Dynamics: Strategies and Skills (3)**

Examination of negotiating strategies and skills based on tested use of power and psychological principles in negotiations. Different strategies and skills examined for negotiating under varying levels of cooperation and conflict.

Letter grade only (A-F).

### **571. Leadership Skills and Strategies in the Public Sector (3)**

Leaders in urban governments, community based and non-profit organizations are challenged to move their bureaucracies toward solutions to complex problems. Examines administrative leadership, current approaches to organizational excellence and their applicability in a variety of administrative settings.

### **575. Public Sector Employer-Employee Relations (3)**

Analysis of prevailing practice and techniques of collective bargaining and its continuing impact on the economic, political, and organization structure in the public sector.

Letter grade only (A-F).

### **577. Public Sector Human Resources Management (3)**

Historical development of civil service/merit system; laws which affect operations of personnel system; analysis of the various components of a personnel system; impact of labor negotiations; role of personnel system as a change agent.

Letter grade only (A-F).

### **581. Government/Community Relations (3)**

Investigation of relationship between governments and community based organizations, with particular attention to strategies for diagnosing problems and opportunities and prescribing courses of action in public policy where governments and nonprofits converge.

Letter grade only (A-F).

### **585. Public Policy and Administration Internship (3-12)**

Prerequisite: Consent of the instructor.

Provides exposure to and understanding of the governmental environment. Students seeking the MPA degree who do not have managerial experience in government are required to participate in the internship program.

May be repeated to a maximum of 12 units. Academic credit earned for the internship program is beyond the 39 units required for the MPA degree. Letter grade only (A-F).

### **590. Selected Topics in Public Policy and Administration (3)**

Investigation of a special problem as defined by the instructor that is of current interest to the field of public policy and administration.

Letter grade only (A-F). May be repeated to a maximum of 9 units with different topics. Topics announced in the *Schedule of Classes*.

S. Small-Scale Survey Research for Public Administrators

T. Public Finance

Prerequisite: PPA 555.

### **597. Directed Studies (1-3)**

Prerequisite: Consent of instructor.

Independent study in public policy and administration.

Letter grade only (A-F).

**610. Seminar in Urban Affairs (3)**

An interdisciplinary course gives students opportunity to develop expanded awareness of the interrelationships between various urban problems in the urban systemic environment.

Letter grade only (A-F).

**660. Seminar in Organization Theory and Behavior (3)**

Examination of theories of organizations and behavior of members therein. Among the subtopics: generalist management, bureaucracy, organization structure and design, systems theory, motivation, leadership, decision-making, group and team dynamics, power and conflict, culture, organization change and development.

Letter grade only (A-F).

**670. Policy Issue Analysis (3)**

Introduces theories and approaches to policy analysis. The core of the course follows the policy analysis cycle and includes: problem recognition, problem definition, development of alternative solutions, analysis of alternatives, selection of policy options, policy implementation and evaluation.

Letter grade only (A-F)

**696. Research Methods in Public Administration (3)**

Prerequisite: PPA 517 or STAT 108 or equivalent with a grade of "C" or better.

Covers the techniques of public sector research. Topics include research design, survey research, and statistical analysis. Note:

Suggested: take PPA 696 early in MPA program. Letter grade only (A-F).

**697. Directed Research (3)**

rerequisites: Advancement to candidacy, completion of required MPA courses, consent of instructor.

Required capstone project. Individual research of a public issue. Supervision of a full-time faculty member required.

May be repeated to a maximum of 6 units in the same semester. Letter grade only (A-F).

# RECREATION AND LEISURE STUDIES

College of Health and Human Services

**Department Office:** Engineering Technology (ET) - 101  
Telephone: (562) 985-4071

**Faculty:** Michael A. Blazey, Melissa H. D'Eloia, Keith Fulthorp, Maridith Janssen, Marilyn A. Jensen (Emerita), Terry Robertson

**Department Chair:** Terry Robertson

**Department Coordinator:** Seyha Chea

**Graduate Advisor:** Melissa H. D'Eloia

## Career Possibilities

National, State and Municipal Parks and Recreation Coordinators, Managers, Supervisors, Directors; City Managers, and Community Services Directors, Park Naturalists, and Park Rangers; in Hospitals, Clinics and Rehabilitation Programs as Recreation Therapists; Senior Center Directors; University Recreation Center and Intramural Directors; Athletic Sports Program and Facility Managers, Student Services Managers; Outdoor Adventure and Day Camp Directors, Recreation Facility or Club Managers, Travel and Tourism Agents or Guides, Sporting Goods Sales Representatives; Amusement Park, Hotel or Resort Managers, Military Recreation and Employee Services Specialists, Social Director and Event Managers; Nonprofit and Volunteer Services Managers. (For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu))

## Introduction

The Department exists to promote a broader and deeper understanding of the role that leisure and recreation provides in the lives of all people as well as to enhance the quality of Recreation Leisure experiences available to each person.

The department is accredited by the Accreditation Council of the National Recreation and Park Association (National Recreation and Park Association, Council on Accreditation for Parks, Recreation, Tourism and Related Professions, 22377 Belmont Ridge Road, Ashburn, VA 20148, phone: 703-858-0784).

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## Undergraduate Programs

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### Bachelor of Arts in Recreation (120 units)

This program is designed to accommodate the needs of new college students, continuing students, transferring students, and experienced recreation professionals.

Students intending to transfer from community colleges to this University are advised to complete general education requirements while attending the community college. Other recreation courses taken at community colleges cannot be substituted for upper-division recreation courses.

Student must maintain a cumulative 2.0 GPA on all units attempted and achieve a "C" or better in each course of the Recreation major to progress in the sequence of

study. Students earning less than a "C" grade in a course required in the major must repeat that course.

Students wishing to substitute courses or deviate in any way from department requirements must submit a letter of request to the Department faculty. No more than six units of Recreation prefix courses may be taken by contract. The Internship is "Letter grade only (A-F)." The Internship is taken the last semester before graduation. No other courses may be taken concurrently with the Internship.

## Requirements

Major Core Courses:

Take all of the following:

REC 141 Introduction to Leisure Services (3)  
Prerequisite/Corequisite: One GE Foundation course.

REC 225 Programming Recreation Activities (3)  
Prerequisites: None

REC 341 Evaluation & Research in Leisure Services (3)  
Prerequisites: A grade of "C" or better in REC 141, REC 225.

REC 351 Foundations of Inclusive Recreation and Recreation Therapy (3)  
Prerequisites: A grade of "C" or better in REC 141, REC 225.

REC 480 Philosophy of Recreation and Leisure (3)  
Prerequisites: A grade of "C" or better in REC 341, REC 351, and three 400 level REC classes. Open to recreation majors only.

Take all of the following:

REC 325 Advanced Program & Event Management (3)  
Prerequisites: A grade of "C" or better in REC 141, REC 225.

REC 421 Supervisory and Administrative Practices (3)  
Prerequisite: A grade of "C" or better in REC 325, REC 341.

REC 423 Facility Design and Operations (3)  
Prerequisites: A grade of "C" or better in REC 325, REC 341.

REC 425 Financing Leisure Services (3)  
Prerequisite: A grade of "C" or better in REC 325.

REC 427 Legal Aspects of Leisure Services (3)  
Prerequisite: A grade of "C" or better in REC 325.

REC 431 Recreation Resource Management (3)  
Prerequisites: A grade of "C" or better in REC 141, REC 225.

REC 498 Internship in Leisure Services (6-12)  
Prerequisites: Completion of all major requirements; REC 485, or 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator.

Take one of the following courses:

ANTH 120 Introduction to Cultural Anthropology (3)  
Prerequisites/Corequisites: Any GE Foundation course.

CDFS 211 Guiding Young Children (3)  
Prerequisites: A grade of "C" or better in PSY 100 or SOC 100 or CDFS 111.

HDEV 180 Lifespan Human Development (3)  
Prerequisites: ENGL 100 or equivalent.

PSY 100 General Psychology (3)

Prerequisites/Corequisite: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

SOC 100 Principles of Sociology (3)

Prerequisite/Corequisite: A GE Foundation course.

Complete one of the following four concentration areas:

**A. Community Recreation Concentration:**

Take all of the following courses

REC 321 Leadership in Recreation & Leisure Studies (3)  
Prerequisite: None.

REC 371 Human Services Programming in Urban Areas (3)  
Prerequisite: GE Foundations requirements.

REC 428 Principals of Nonprofit/Volunteer Management (3)  
Prerequisite: None.

REC 437 Access and Equity of Park Resources (3)  
Prerequisite: A grade of "C" or better in REC 431.

Take one of the following courses

REC 433 Management of Organized Camps (3)  
Prerequisite: None.

REC 469 Disability, Culture, and Society (3)  
Prerequisite: Senior or graduate standing.

REC 473 Leisure and Aging (3)  
Prerequisite: None.

**B. Parks and Outdoor Recreation Resource Management Concentration:**

Take all of the following courses

REC 337 Environmental and Cultural Interpretation (3)  
Prerequisite: None.

REC 437 Access and Equity of Park Resources (3)  
Prerequisite: A grade of "C" or better in REC 431.

Take two of the following courses

REC 430 Recreation in the Ocean Environment (3)  
Prerequisite: Consent of Instructor.

REC 432 Wildlife and Wildfire Management in Urban Proximate Areas (3)  
Prerequisite: None.

REC 490 Sustainable Coastal Resource Management (3)  
Prerequisite: None.

Take an additional upper-division recreation course (3)

**C. Campus Recreation and Student Services Concentration:**

Take all of the following courses

REC 321 Leadership in Recreation and Leisure Studies (3)  
Prerequisite: None.

REC 322 Recreational Sports Supervision (3)  
Prerequisite: None.

REC 324 Campus Recreation Services (3)  
Prerequisite: None.

REC 428 Principals of nonprofit/Volunteer Management (3)  
Prerequisite: None.

Take an additional upper-division recreation course (3)

**D. Tourism Management Concentration:**

Take all of the following courses

REC 462 Travel, Tourism, and Resort Recreation Management (3)  
Prerequisite: A grade of "C" or better in REC 325.

REC 468 Tourism Planning and Development (3)  
Prerequisite: A grade of "C" or better in REC 325.

Take two of the following courses

REC 465 Convention and Conference Planning (3)

Prerequisite: A grade of "C" or better in REC 325.

REC 467 Principals of Ecotourism Development (3)

Prerequisite: A grade of "C" or better in REC 325.

REC 490 Belize Ecotourism (3)

Prerequisite: None.

HFHM 170 Introduction to Hospitality Food Service and

Hotel Management (3)

Prerequisite: None.

GEOG 352 Geography of Tourism (3)

Prerequisite: None.

Take an additional upper-division recreation course (3)

**Option in Recreation Therapy (120 units)**

Students intending to transfer from community colleges to this University are advised to complete general education requirements while attending the community college. Courses equivalent to REC 141, REC 225 and lower-division courses applicable to concentrations within the major (HSC 150, BIOL 207, BIOL 208, PSY 100), should be taken while attending community college if offered. Other recreation courses taken at community colleges cannot be substituted for upper-division recreation courses.

**Requirements**

**I. Major Core Courses:**

Take all of the following:

REC 141 Introduction to Leisure Services (3)

\*\*"C" or better required.

Prerequisite/Corequisite: One GE Foundation course.

REC 225 Programming Recreation Activities (3)

\*\*"C" or better required.

Prerequisite: None.

REC 341 Evaluation & Research in Leisure Services (3)

\*\*"C" or better required.

Prerequisites: A grade of "C" or better in REC 141, REC 225.

REC 351 Foundations of Inclusive Recreation and Recreation Therapy (3)

\*\*"C" or better required.

Prerequisites: A grade of "C" or better in REC 141, REC 225.

REC 480 Philosophy of Recreation and Leisure (3)

Prerequisites: A grade of "C" or better in REC 341, REC 351, and three 400 level REC classes. Open to recreation majors only.

**II. Complete Recreation Therapy Option requirements:**

**1. Take all of the following:**

REC 451 Management and Administration of Recreation Therapy Services (3)

Prerequisites: A grade of "C" or better in REC 351, REC 452.

REC 452 Assessment and Documentation in Recreation Therapy (3)

\*\*"C" or better required.

Prerequisite: A grade of "C" or better in REC 351.

REC 453 Comprehensive Programming and Evaluation in Recreation Therapy (3)

Prerequisite: A grade of "C" or better in REC 351.

REC 454 Counseling Technique in Recreation Therapy (3)

Prerequisites: A grade of "C" or better in REC 351.

REC 458 Clinical Techniques in Recreation Therapy (3)

Prerequisite: A grade of "C" or better in REC 351.

HSC 150 Medical Terminology (1)

Prerequisite: None.

PSY 100 General Psychology (3)

Prerequisite/Corequisite: Students who score 147 or above

on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

PSY 370 Abnormal Psychology (3)  
Prerequisites: PSY 100.

ANTH 319 Human Growth and Development (3)  
Prerequisites: None.

REC 498 Internship in Leisure Services (6-12)  
Prerequisites: Completion of all major requirements; REC 485, or 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator.

2. Take both of the following courses:

BIOL 207 Human Physiology (4)  
Prerequisite: GE Foundation requirements.

BIOL 208 Human Anatomy (4)  
Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

3. Take 9 units of approved elective courses from the following:

Anthropology, Biology, Communication, Dance, Educational Psychology, Gerontology, Health Science, Human Development, Psychology, Social Work, or Sociology.

## Minor In Recreation

A minimum of 21 units approved by the departmental minor advisor which must include:

Take all of the following:

REC 141 Introduction to Leisure Services (3)  
\*\*"C" or better required.  
Prerequisite/Corequisite: One GE Foundation course.

REC 225 Programming Recreation Activities (3)  
\*\*"C" or better required.  
Prerequisites: None

REC 321 Leadership in Recreation & Leisure Studies (3)  
Prerequisites: None

REC 340 Leisure in Contemporary Society (3)  
Prerequisites: GE Foundations requirements; one or more Exploration courses; upper division standing.

REC 351 Foundations of Inclusive Recreation and Recreation Therapy (3)  
Prerequisites: A grade of "C" or better in REC 141, REC 225.

Take two of the following:

REC 220, REC 322, REC 324, REC 337, REC 371, REC 428, REC 430, REC 431, REC 433, REC 462, REC 473, or REC 490 with consent of advisor.

## Minor In Event Planning and Management

The Event Planning and Management minor provides students with expertise for careers in event planning and management. Curriculum covers skills and knowledge including negotiation, event planning, programming, promotion, budget and legal issues.

### Requirements

Core (18 units):

HFHM 170 Introduction to Hospitality Management (3)  
Prerequisites: None

HFHM 274 International Hospitality Development (3)  
Prerequisites: ENGL 100 or equivalent.

HFHM 374 Meeting Planning in Hotels and Restaurants (3)

Prerequisites: HFHM 170.

REC 325 Advanced Program & Event Management (3)  
\*\*"C" or better required.  
Prerequisites: REC 141, REC 225 with a grade of "C" or better.

REC 462 Travel, Tourism, and Resort Recreation Management (3)  
Prerequisite: A grade of "C" or better in REC 325.

REC 465 Convention and Conference Planning (3)  
Prerequisites: A grade of "C" or better in REC 325.

Take 6 units of electives from the following courses:

ACCT 201; CECS 110, CECS 200; COMM 334; HFHM 372, HFHM 376; HFHM 378 or REC 427; HFHM 476 or REC 425; REC 468, REC 490.

## Certificate Programs

The certificate programs are available to undergraduate and graduate students, and students who already possess a baccalaureate degree and are enrolling in a certificate program, unless otherwise noted. Students pursuing a degree may complete the certificate concurrently with or subsequent to their degree by enrolling as a certificate student. Courses taken for certificate requirements may be used, where appropriate, to meet the General Education or degree requirements of cooperating departments. Extension and/or transfer credit may comprise no more than one-fourth of the course work used to meet baccalaureate certificate requirements. Students should contact the department to schedule a meeting with the certificate advisor.

### Certificate in Recreation Therapy

This certificate prepares students for the California Board of Recreation and Park Certification exam and for the National Council for Therapeutic Recreation Certification exam. A baccalaureate degree, which may be awarded concurrently, is required for completion of this certificate program.

This certificate program is eligible for Financial Aid. Please see the department web site for required Federal disclosure information.

Take all of the following:

REC 351 Foundations of Inclusive Recreation and Recreation Therapy (3)

\*\*"C" or better required.  
Prerequisites: REC 141, REC 225.

REC 451 Management and Administration of Recreation Therapy Services (3)  
Prerequisite: A grade of "C" or better in REC 351, REC 452.

REC 452 Assessment and Documentation in Recreation Therapy (3)

\*\*"C" or better required.  
Prerequisite: A grade of "C" or better in REC 351.

REC 453 Comprehensive Programming and Evaluation in Recreation Therapy (3)  
Prerequisite: A grade of "C" or better in REC 351.

REC 454 Counseling Techniques in Recreation Therapy (3)  
Prerequisite: A grade of "C" or better in REC 351.

REC 458 Clinical Techniques in Recreation Therapy (3)  
Prerequisite: A grade of "C" or better in REC 351.

HSC 150 Medical Terminology (1)

Prerequisite: None.

#### PSY 100 General Psychology (3)

Prerequisite/Corequisite: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

#### PSY 370 Abnormal Psychology (3)

Prerequisites: PSY 100.

#### ANTH 319 Human Growth and Development (3)

Prerequisites: None.

#### REC 498 Internship in Leisure Services (6-12)

Prerequisites: Completion of all major requirements; REC 485, or 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator. -

Take six units of advisor-approved Recreation courses.

Take both of the following courses:

#### BIOL 207 Human Physiology (4)

Prerequisite: GE Foundation requirements.

#### BIOL 208 Human Anatomy (4)

Prerequisites: Grade of "C" or better in one of the following: ART 372, BIOL 201, BIOL 205, BIOL 207, BIOL 212, BIOL 311, CHEM 140, DANC 261, or MICR 200.

Take 9 units of approved elective courses from:

Anthropology, Biology, Communication, Dance, Educational Psychology, Gerontology, Health Science, Human Development, Psychology, Social Work, or Sociology.

extracurricular activities, as well as relevant work, internship and volunteer experiences.

4. Three letters of recommendation from persons able to testify to the student's academic ability, preferably from former professors.
5. A personal statement addressing the following: (a) academic and professional goals; (b) a description of academic and professional experience; and (c) purpose for pursuing graduate study.

### Prerequisites

Applicants for graduate study in Recreation and Leisure Studies must meet the following prerequisites.

1. A bachelor's degree from an accredited university with a major or minor in recreation and leisure studies or related discipline. Students with Bachelor's degrees from non-related majors who meet all other prerequisites should contact the graduate coordinator for an evaluation.
2. A student must have an overall undergraduate grade point average (GPA) in their major or minor of 3.0 or better. Students who have an overall GPA less than a 3.0, but present acceptable evidence of professional potential either through recent academic performance and/or experiential background, may be admitted by special action of the Department's Graduate Committee.

### Retention

Graduate students in recreation and leisure studies are expected to:

1. Maintain a 3.0 or higher GPA in all graduate work completed at CSULB and all graduate work transferred to meet graduate requirements.
2. Maintain satisfactory progress toward the degree objective.

### Advancement to Candidacy

To be advanced to candidacy, recreation and leisure studies graduate students must successfully achieve the following:

1. Satisfactory completion of the graduate writing assessment requirement (GWAR; GRE analytical writing section).
2. Minimum of 3.0 overall GPA and a 3.0 GPA in all units undertaken for the approved program of study.
3. Satisfactory completion of the following courses with a "B" or better grade: REC 571, Philosophy, Issues, and Trends and REC 696, Research Methodology.
4. Approval of the Graduate Coordinator and the Associate Dean of the College of Health and Human Services.
5. Enrolled in the semester in which the advancement to candidacy takes place.

### Requirements

Completion of the Master of Science in Recreation Administration requires 30 units of post-baccalaureate course work to include the following.

1. Take 15 units of the following core courses (15):
  - REC 521, Recreation Administration (3)  
Prerequisites: None
  - REC 571, Philosophy, Issues, and Trends (3)  
Prerequisites: None
  - REC 591, Research Proposal Writing (3)  
Prerequisites: REC 571 and REC 595, and REC 696
  - REC 595, Data Analysis in Recreation Administration (3)  
Prerequisites: REC 571 and REC 696
  - REC 696, Research Methodology (3)  
Prerequisites: none
2. Complete 12 units of graduate advisor approved electives

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## Graduate Programs

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### Master of Science in Recreation Administration

Graduate study in Recreation Administration prepares students for advanced careers in the field of Parks, Recreation, and Tourism. Through a combination of online and traditional classroom instruction, students will explore the theoretical foundations of the field while developing the administrative and management skills needed to become managers of private, commercial, and public recreation agencies. Students may also focus on research design and methodology in preparation for a research-based position and/or doctoral studies.

#### Admission

Students seeking admission to the Department of Recreation and Leisure Studies graduate program must have an undergraduate degree and a desire for graduate study. Applicants must apply for admission to the Recreation and Leisure Studies department in addition to being admitted by Enrollment Services. The following items must be submitted to the Recreation and Leisure Studies Graduate Coordinator:

1. A copy of the CSULB graduate application
2. Official test scores on the Graduate Record Exam (GRE) General Test. While no specific cut-off scores are required on either the verbal or the quantitative sections, applicants must score a "4" or higher on the analytic writing section of the GRE.
3. A current resume that describes the applicant's academic achievements (including honors and awards),

(12)

3. Complete the graduate experience in one of three ways(3):  
REC 697, Directed Studies (3)

OR

REC 692, Directed Project (1-3)

OR

REC 698, Thesis (1-3)

Students interested in pursuing leadership roles in the field of Parks, Recreation, and Tourism may wish to choose either REC 692 or REC 697 as their graduate experience. Students interested in pursuing a doctorate or research based positions within the field may wish to choose REC 698 as their graduate experience.

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## Courses (REC)

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### LOWER DIVISION

#### 100./300. Orientation to the Recreation Major (3)

Orientation to the professional roles in the field of leisure services; the philosophy, academic requirements, standards, documentation, procedures of followed in the Department of Recreation and Leisure Studies; and computer applications required of all majors.

Letter grade only (A-F). (Discussion, 3 hours) Not open to students with credit in REC 300.

#### 141. Introduction to Leisure Services (3)

Prerequisite/Corequisite: One GE Foundation course.

Survey of public, private and non-profit agencies engaged in leisure services. Examination of populations served. Organizing principles of the recreation and leisure services profession.

Not open to students who have completed REC 241.

#### 201. Teamwork and Group Dynamics (3)

Prerequisite/Corequisite: One GE Foundation course.

Introduction to group dynamics and teamwork. Presents participation in, leadership of, and facilitation techniques for team building through experiential group problem solving activities. Course utilizes ground based and low elements challenge course activities at the CSULB OutBAC Ropes Course. (Theory and practicum).

Letter grade only (A-F).

#### 220. Universality of Play (3)

Prerequisites: GE Foundation requirements.

Exploration of ethnic origins of play from international perspective. Influence of play on creativity, drive and self image of society.

(Theory and practicum)

#### 225. Programming Recreation Activities (3)

Methods and materials used in planning and leading organized recreation programs in public and private agencies. Analysis of interpersonal and group skills necessary for effective leadership of recreation activities. Special emphasis on supervised programming field experiences.

Letter grade only (A-F).

### UPPER DIVISION

#### 300./100. Orientation to the Recreation Major (3)

Orientation to the professional roles in the field of leisure services; the philosophy, academic requirements, standards, documentation, procedures of followed in the Department of Recreation and Leisure Studies; and computer applications required of all majors.

Letter grade only (A-F). (Discussion, 3 hours) Not open to students with credit in REC 100.

#### 321. Leadership in Recreation and Leisure Studies (3)

Theory and application of leadership as it pertains to leisure service agencies. In depth analysis of interaction between leadership styles and group dynamics. Facilitation techniques necessary for effective group leadership.

#### 322. Recreational Sports Supervision (3)

Organization and supervision of recreational sports for community-wide participation.

(Lecture 2 hours, Activity 2 hours.)

#### 324. Campus Recreation Services (3)

Principles and practices in provision of recreation services on college, secondary, and elementary school campuses

#### 325. Advanced Program and Event Management (3)

Prerequisites: A grade of "C" or better in REC 141, REC 225.

Advanced management of recreation and leisure service programs with special emphasis on event planning and promotion. Includes interpretations of needs assessments and market analysis; analysis and selection of prospective client bases; program design, marketing, promotion, implementation and evaluation.

Letter grade only (A-F).

#### 337. Environmental and Cultural Interpretation (3)

Principles and practices of environmental and cultural interpretation of outdoor recreation resources, including tours, brochures, slide shows and exhibits.

(Discussion, 3 hours)

#### 340. Leisure in Contemporary Society (3)

Prerequisites: GE Foundations requirements; one or more Exploration courses; upper division standing.

Enhancing the understanding of leisure in contemporary society by examining beliefs, values, and social structures of one's own leisure and comparing and contrasting them with individual and social influences such as race/ethnicity, gender, sexuality, age, economic status, ability and religion.

#### 341. Evaluation and Research in Leisure Services (3)

Prerequisites: A grade of "C" or better in REC 141, REC 225.

Foundations of current methods and practices of evaluation and research about leisure and in leisure services. Includes the critical need for evaluation and research in leisure services; research and evaluation concepts, types, and designs; sampling; and information/data collection, analysis, interpretation, and presentation.

Letter grade only (A-F).

#### 351. Foundations of Inclusive Recreation and Recreation Therapy (3)

Prerequisites: A grade of "C" or better in REC 141, REC 225.

The role of inclusion in programming recreation services in society. Philosophical and historical foundations of recreation therapy, and principles of planning, implementing, and evaluating inclusive leisure services for individuals with disabilities.

(Lecture/Activity 3 hours)

#### 371. Human Services Programming in Urban Areas (3)

Prerequisites: GE Foundation requirements.

Exploration of the community diversity, social issues, and community resources of urban areas in relationship to the concerns of recreation and human service needs. Examination of planning, development, and agency collaborations required to insure recreation services development meets community needs.

#### 421. Supervisory and Administrative Practices (3)

Prerequisites: A grade of "C" or better in REC 325, REC 341.

Concepts and techniques of supervision and administration in recreation agencies; emphasis on recruitment, assignment, evaluation and in-service training of recreation personnel.



### **423. Facility Design and Operations (3)**

Prerequisites: A grade of "C" or better in REC 325, REC 341.

Theories and practical experience in the design, development, operation, maintenance and administration of various recreational facilities.

Letter grade only (A-F).

### **425. Financing Leisure Services (3)**

Prerequisite: A grade of "C" or better in REC 325.

Financing and budgeting in public and private sector leisure service agencies; management by objectives as related to fiscal elements.

### **427./527. Legal Aspects of Leisure Services (3)**

Prerequisite: A grade of "C" or better in REC 325.

Political, policy making, and legal aspects underlying the establishment, operation, and termination of public and private leisure services.

Letter grade only (A-F). (Discussion, 3 hours.)

### **428./528. Principles of Nonprofit/Volunteer Management (3)**

Survey of the principles of nonprofit and volunteer services management. The philosophical, historical and social context of the volunteer movement; funding, governance, organization and management of nonprofit organizations and volunteer services; trends and issues; professional development and employment.

### **430. Recreation in the Ocean Environment (3)**

Prerequisite: Consent of instructor.

Study of the skills and techniques of administration of an ocean-oriented recreational resource, including management and trip planning. Will be supplemented with a week long field trip to Santa Barbara Island.

### **431. Recreation Resource Management (3)**

Prerequisites: A grade of "C" or better in REC 141, REC 225.

Review of the techniques of recreation resource management; the role of citizens, government and private agencies in acquisition and development of these resources; development of resource management policies.

### **432. Wildlife and Wildfire Management in Urban Proximate Areas (3)**

Study of the skills and techniques of managing wildlife and wildfires to improve public safety. Examination of management and visitor information services in city parks, national parks, national forests, and state parks surrounding the L.A. metro area.

### **433. Management of Organized Camps (3)**

Management of organized camps, with particular emphasis on the role and responsibility of the on-site director; practical experience in all phases of camping. Topics include camp philosophies, job responsibilities, staff dynamics, campers' characteristics and needs, program development and facility management.

### **437. Access and Equity of Park Resources (3)**

Prerequisite: A grade of "C" or better in REC 431.

Examination of distribution and management of city parks, county parks, and special park districts in the L.A. metro area. Analysis of historical and contemporary opportunity and access based on economic status, cultural background, gender, and mobility.

### **451. Management and Administration of Recreation Therapy Services (3)**

Prerequisites: A grade of "C" or better in REC 351, REC 452.

Comprehensive recreation therapy program development, operation, and management. Administration of recreation therapy services and personnel. Advanced principles, issues, and trends in recreation therapy.

Letter grade only (A-F).

### **452. Assessment and Documentation in Recreation Therapy (3)**

Prerequisite: A grade of "C" or better in REC 351.

Introduction to the theories, concepts, and techniques used in client assessment and documentation for recreation therapy programs and treatments. Students learn to assess the physical, cognitive, emotional, social, and leisure functioning of clients; develop measurable objectives; and document client progress.

(Lecture 2 hours, Activity 1 hour)

### **453. Comprehensive Programming and Evaluation in Recreation Therapy (3)**

Prerequisite: A grade of "C" or better in REC 351.

Examination of treatment programs for a variety of populations and settings in Recreation Therapy. Students learn to develop comprehensive treatment plans based on client objectives, select appropriate program content, modify activities to meet client needs, and evaluate program effectiveness.

Letter grade only (A-F).

### **454./554. Counseling Techniques in Recreation Therapy (3)**

Prerequisite: A grade of "C" or better in REC 351.

Current practices and procedures in recreation therapy using counseling techniques. Includes techniques of leisure needs assessments, leisure counseling, and leisure education methods. Covers recreation therapy practice perspectives using counseling/leisure education as a treatment.

Letter grade only (A-F).

### **457./557. Legislative Action in Recreation Therapy (3)**

Prerequisite: A grade of "C" or better in REC 351.

Overview of Recreation Therapy as related to national healthcare issues. Includes examination of various legislative issues/bills introduced in congress with a direct effect on the profession. This non-required course includes travel to a midyear conference in Washington D.C.

Letter grade only (A-F).

### **458./558. Clinical Techniques in Recreation Therapy (3)**

Prerequisite: A grade of "C" or better in REC 351.

Examination of clinical techniques and practices in recreation therapy. Includes theoretical background to clinical treatment, facilitation techniques, and treatment modalities for individuals with disabilities.

Letter grade only (A-F). (2 hours lecture, 1 hour lab)

### **462. Travel, Tourism, and Resort Recreation Management (3)**

Prerequisite: A grade of "C" or better in REC 325.

Current procedures and processes in managing travel, tourism and resort recreation organizations. Discussion includes the organization and management of human resources in the marketing of travel, tourism and resort recreation enterprises.

### **465. Convention and Conference Planning (3)**

Prerequisite: A grade of "C" or better in REC 325.

Organizing, planning and managing conferences and conventions. Analysis of site and facility selection, scheduling, theme development, programming, affiliated events, exhibit management, registration and overall services.

Letter grade only (A-F).

### **467./567. Principles of Ecotourism Development (3)**

Prerequisite: A grade of "C" or better in REC 325.

Principles and practices of ecotourism development from a socio-cultural, environmental, economic, and political perspective. Implementation of tourism development including certification issues, management of resources, and community choices. Ecotourism planning that benefits locals and travelers.

Letter grade only (A-F).

### **468. Tourism Planning and Development (3)**

Prerequisite: A grade of "C" or better in REC 325.

Analysis of elements which are included in a community development plans. Assessment of the touristic potential of a region or site, enabling legislation, organization, and administration of a tourism development plans, identification of sources of resistance and support.

### **469./569. Disability, Culture and Society: Issues and Intervention (3)**

Prerequisite: Senior or graduate standing.

Disability as a social construct. Examines policies and practices to understand the experience of disability. Includes historical and contemporary perspectives as well as future issues. Emphasis on social and clinical intervention methods as well as programs and resources.

Letter grade only (A-F). Same course as GERN 469. Not open for credit to students with credit in GERN 469 or SW 469.

### **473./573. Aging and Leisure (3)**

Theories, concepts and influences on satisfaction with retirement focusing on leisure-related issues. Overview of the continuum of services, emphasizing leisure services available to older people.

### **480. Philosophy of Recreation and Leisure (3)**

Prerequisites: A grade of "C" or better in REC 341, REC 351, and three 400-level REC classes. Open to recreation majors only.

Exploration of the philosophical and ethical basis for current practices in recreation and leisure service organizations.

(Discussion, 3 hours.)

### **485. Field Work (3)**

Prerequisites: Consent of instructor.

Supervised experience in recreation leadership, supervision or administration approved by faculty advisor or consent of instructor.

Credit/No credit grading only. May be repeated to a maximum of 6 units in different semesters.

### **490. Selected Topics in Recreation (1-3)**

Identification and critical analysis of current problems in selected areas of recreation.

May be repeated to a maximum of 6 units with different topics in different semesters. Topics announced in the *Schedule of Classes*.

### **498. Internship in Leisure Services (6-12)**

Prerequisites: Completion of all major requirements; REC 485, or 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator.

This internship will involve a minimum of 400 hours of supervised experience in an approved leisure service agency jointly supervised by university and agency personnel.

Letter grade only (A-F). (Field work) Course fee may be required.

### **499. Independent Study (1-3)**

Prerequisites: Consent of department and department chair.

Individual projects in areas of special interest areas. Independent study under the direct supervision of a faculty member.

May be repeated to a maximum of 6 units in different semesters with consent of instructor.

## **GRADUATE LEVEL**

### **521. Recreation Administration (3)**

Organizational theory; planning, staffing and budgeting of recreation programs in governmental and voluntary agencies.

Letter grade only (A-F).

### **527./427. Legal Aspects of Leisure Services (3)**

Prerequisite: A grade of "C" or better in REC 325 or graduate student status.

Political, policy making, and legal aspects underlying the establishment, operation, and termination of public and private leisure services.

Letter grade only (A-F). (Discussion, 3 hours.)

### **528./428. Principles of Nonprofit/Volunteer Management (3)**

Survey of the principles of nonprofit and volunteer services management. The philosophical, historical and social context of the volunteer movement; funding, governance, organization and management of nonprofit organizations and volunteer services; trends and issues; professional development and employment.

### **532. Wildlife and Wildfire Management in Urban Proximate Areas (3)**

Study of the skills and techniques of managing wildlife and wildfires to improve public safety. Examination of management and visitor information services in city parks, national parks, national forests, and state parks surrounding the L.A. metro area.

### **537. Access and Equity of Park Resources (3)**

Prerequisite: A grade of "C" or better in REC 431.

Examination of distribution and management of city parks, county parks, and special park districts in the L.A. metro area. Analysis of historical and contemporary opportunity and access based on economic status, cultural background, gender, and mobility.

### **554./454. Counseling Techniques in Recreation Therapy (3)**

Prerequisites: A grade of "C" or better in REC 351.

Current practices and procedures in recreation therapy using counseling techniques. Includes techniques of leisure needs assessments, leisure counseling and leisure education methods. Covers recreation therapy practice perspectives using counseling/leisure education as a treatment.

Letter grade only (A-F).

### **557./457. Legislative Action in Recreation Therapy (3)**

Prerequisite: A grade of "C" or better in REC 351.

Overview of Recreation Therapy as related to national healthcare issues. Includes examination of various legislative issues/bills introduced in congress with a direct effect on the profession. This non-required course includes travel to a midyear conference in Washington D.C.

Letter grade only (A-F).

### **558./458. Clinical Techniques in Recreation Therapy (3)**

Prerequisite: A grade of "C" or better in REC 351.

Examination of clinical techniques and practices in recreation therapy. Includes theoretical background to clinical treatment, facilitation techniques, and treatment modalities for individuals with disabilities.

Letter grade only (A-F). (2 hours lecture and 1 hour lab)

### **567./467. Principles of Ecotourism Development (3)**

Prerequisite: A grade of "C" or better in REC 325 or graduate student status.

Principles and practices of ecotourism development from a socio-cultural, environmental, economic, and political perspective. Implementation of tourism development including certification issues, management of resources, and community choices. Ecotourism planning that benefits locals and travelers.

Letter grade only (A-F).

**569./469. Disability, Culture and Society: Issues and Intervention (3)**

Prerequisite: Senior or graduate standing.

Disability as a social construct. Examines policies and practices to understand the experience of disability. Includes historical and contemporary perspectives as well as future issues. Emphasis on social and clinical intervention methods as well as programs and resources.

Letter grade only (A-F). Same course as GERN 569. Not open for credit to students with credit in GERN 569.

**571. Philosophy, Issues and Trends (3)**

Exploration of the current philosophy, trends and issues in the field of recreation.

Letter grade only (A-F).

**573./473. Aging and Leisure (3)**

Theories, concepts and influences on satisfaction with retirement focusing on leisure-related issues. Overview of the continuum of services, emphasizing leisure services available to older people.

**590. Selected Topics in Recreation (1-3)**

Prerequisite: Consent of instructor.

In-depth investigation of topics of current interest and concern to students experienced in recreation.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

**591. Research Proposal Writing (3)**

Prerequisite: REC 571, REC 595, and REC 696.

Addresses variations in research design and methodology. Completion of a thesis or project proposal is a requirement.

Letter grade only (A-F).

**595. Data Analysis in Recreation Administration (3)**

Prerequisites: REC 571 and REC 696.

Analysis of administrative studies and surveys; procedures for conducting and analyzing appraisals of recreation programs and facilities.

Letter grade only (A-F).

**599. Independent Study (1-3)**

Prerequisites: Consent of graduate advisor and department chair.

Independent research under the supervision of a Recreation and Leisure Faculty member.

May be repeated to a maximum of 6 units. Letter grade only (A-F).

**692. Directed Project (1-3)**

Prerequisites: REC 591, REC 696, and Advancement to Candidacy

Students will work under the guidance of a faculty advisor to develop a project that advances the field of Recreation, Parks, and Tourism.

Letter grade only (A-F) (Independent Study)

**696. Research Methodology (3)**

Research methodology in recreation. To be completed within the first 12 units of the 500/600 series of courses.

Letter grade only (A-F).

**697. Directed Studies (3)**

Prerequisites: REC 591, REC 696, and advancement to candidacy.

Independent investigation of field research problems in recreation.

Letter grade only (A-F). May be repeated to a maximum of 3 units in different semesters

**698. Thesis (1-3)**

Prerequisites: REC 591, REC 696, advancement to candidacy.

Planning, preparation and completion of an approved thesis.

May be repeated to a maximum of 4 units in different semesters.

# SCHOOL OF SOCIAL WORK

College of Health and Human Services

**Director:** Nancy Meyer- Adams

Graduate Program Coordinator: James Ferreira

**Associate Director of Undergraduate Programs/Undergraduate**

**Advisor:** Lisa Jennings (562) 985-8629

**Associate Directors of:**

Admissions: Lisa Fascia (562) 985-2108

Field Education: Rebecca Sander (562) 985-8178

Distance Education: Marilyn Potts (562) 985-5183

Admissions Office: (562) 985-5654

**School Office:** SSPA, Room 161

Telephone / FAX: (562) 985-4616 / 985-5514

**Faculty:** Paul Abels (Emeritus), Jan Black (Emerita), Jolae Brocato, Stephan Buckingham, Ruth Chambers, Kenneth Chau (Emeritus), Rashida Crutchfield, Agathi Glezakos (Emerita), Catherine C. Goodman (Emerita), Jean M. Granger (Emerita), Yolanda Green, Marrison Hansen, Lisa Jennings, Dan Jimenez (Emeritus), Mimi Kim, Christine Kleinpeter, Brian Lam, Cheryl Lee, Isaiah C. Lee (Emeritus), Kristin Lopez, Rebecca Lopez (Emerita), Nancy Meyer-Adams, Christian Molidor, Chikako Nagai, Julie O'Donnell, John Oliver (Emeritus), Eileen Mayers Pasztor, Marilyn Potts, Molly Ranney, Susan Rice (Emerita), Janaki Santhiveeran, Phillip Tan, Thomas Alex Washington, Steve Wilson

**Assistant to the Director:** Ann Radzicki, (562) 985-1878

**Full-time Field Faculty:** Venetta Campbell, Tom Crowe (Emeritus), James Ferreira, Michael Foster, Judy Green, Marian Klemek (Emerita), Stacey Peyer, Saana Polk, Kathleen Porter, Joy Rubin, Rebecca Sander, Susan Salas

Students desiring information should contact the numbers listed above. Program applications (BASW, MSW) are available on the School's website ([www.csulb.edu/social-work](http://www.csulb.edu/social-work)).

## Career Possibilities

Social Worker • Hospital Discharge Planner • Services Eligibility Worker • Psychiatric Social Worker • Probation or Parole Officer • Delinquency Prevention Program Worker • Medical Social Worker • School Social Worker • Child Welfare Caseworker • Community Organization Administrator • Health Care Administrator • Director of Social Services • Researcher • Organization Administrator • Health Care Administrator • Researcher • Organization Administrator • Health Care Administrator • Employment Program Supervisor • Industrial Social Worker • Health Educator and Hospice Services Coordinator • Case Management • Gerontological Social Work • Community Organizer • Social Policy Analyst (For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

## Introduction

The vision of the School of Social Work is to be California's most innovative and student-centered School of Social Work; a place where academic excellence, ethics, diversity, and the pursuit of social justice are embraced by faculty and students to enhance the lives of vulnerable and oppressed populations. Our mission is to educate and graduate diverse, ethical, competent social work students who are able to think critically and use evidence-based practice approaches to effectively serve culturally-diverse, vulnerable individuals, families, and communities in a wide

variety of practice areas as practitioners, leaders, and social justice advocates. In addition, the School will engage in collaborative, community-based research that will enhance the wellbeing of vulnerable populations and disadvantaged communities, improve service delivery systems, and contribute to social work knowledge, and provide meaningful service to the community and the profession through the development of ongoing relationships with grassroots community leaders, community-based, non-profit organizations, governmental organizations, and foundations.

The BASW and MSW programs are accredited by the Council on Social Work Education (Council on Social Work Education, Commission on Accreditation, 1701 Duke Street, Suite 200, Alexandria, VA 22314, 703-683-8080).

The School, University and Council on Social Work Education regulations do not permit the substitution of life or work experience for curriculum or degree requirements.

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## Undergraduate Programs

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### Bachelor of Arts in Social Work (120 units)

The School of Social Work offers, in conjunction with the general education requirements, a professional program leading to a Bachelor of Arts in Social Work (BASW). The goals of the BASW program are to prepare students for entry level, professional, generalist social work practice and for graduate social work education, including advanced standing. Students learn to practice as professional social workers with persons and groups representing the range of human diversity and with systems of all sizes (individuals, families, groups, communities, and institutions). Students have the option to take the major courses in a daytime sequence or an evening sequence.

Social Work majors should consider taking courses as electives or for fulfillment of general education requirements in any of the ethnic studies disciplines, women's studies, sociology, anthropology, human development, and gerontology programs in the Colleges of Health and Human Services and Liberal Arts. The School of Social Work can make recommendations concerning those courses which would be most useful to students interested in acquiring broader information closely allied to professional social work practice.

### Admission Requirements

#### Admission Under Impaction - Fall Only

Social Work is now considered to be a highly impacted major. Admission to the Social Work program takes place in the fall semester only. Refer to the following website for additional criteria: <http://www.csulb.edu/depts/enrollment/admissions/index.html>.

## Admission Under Impaction for Continuing Students

Students who indicate an interest in the Social Work major when they enter as freshmen will be assigned a pre-social work major code. Acceptance into the pre-major by the University does not imply or assure subsequent acceptance into the major by the School of Social Work. Students who are not accepted into the major cannot continue as pre-social work majors. Social Work is now considered to be a "highly impacted major" (see above).

## Admission Under Impaction for Transfer Students

Students must be eligible for admission to the University as transfer students and must apply for admission to the University no later than November 30 for admission the following fall. Students who are not admitted to the major will not be admitted to the University. Social Work is now considered to be a "highly impacted major" (see above).

## Additional Application Procedures

Applicants to the BASW program must submit a separate program application packet to the School of Social Work by the beginning of March for the upcoming fall semester. The application includes statements of biographical and educational background and a description of community and/or social work experience. In addition, each applicant must submit two reference forms (one academic and one professional reference). Eligible applicants will be selected for admission on a space-available basis based on review of the entire application packet. Download the BASW Information Booklet for detailed admissions information.

Explore the School of Social Work BASW Admissions website (<http://www.csulb.edu/colleges/chhs/departments/social-work/bachelor-of-arts/>) for more information on this major.

## Prerequisite Requirements

To be considered for admission to the Social Work major, all applicants must demonstrate the following:

Minimum lower division preparation (grade of C or better required):

- Major preparation courses (with a minimum cumulative GPA of 2.5):
  - BIOL 205 - Human Biology
  - PSY 100 - Introductory Psychology
  - HDEV 190 - Elementary Statistics in Social and Behavioral Sciences; or STAT 108 - Statistics for Everyday Life; or PSY 110 - Introductory Statistics; or SOC 170 - Elementary Statistics; or another course in elementary statistics
- Required General Education courses not covered by major preparation courses:
  - Written Communication
  - Oral Communication
  - Critical Thinking
  - Mathematics if Statistics course taken above is not GE approved

It is highly recommended that students who are interested in the social work major focus on additional social science courses in their GE preparation. These courses can include but are not limited to: Sociology courses (such as

SOC 100, SOC 142), Anthropology courses (such as ANTH 120), and Human Development courses.

## Graduation Requirements

1. Complete the requirements for General Education
2. Complete the prerequisite requirements (see above)
3. Complete the major course requirements by taking each of the following courses:
  - SW 220 Introduction to Social Welfare (3)  
Prerequisites: GE Foundation requirements.
  - SW 221 Introduction to Social Welfare Practicum (3)  
Prerequisites: Consent of instructor. Corequisites: SW 220.
  - SW 330 Human Behavior and Social Environment: Birth Through Adolescence (3)  
Prerequisites: GE Foundation requirements.
  - SW 331 Human Behavior and Social Environment: Young Adulthood Through Old Age (3)  
Prerequisites: GE Foundation requirements.
  - SW 340 Generalist Social Work Practice (3)  
Prerequisites: SW 220, SW 221, SW 330, and SW 351. Corequisites: SW 341.
  - SW 341 Social Work Practicum (3)  
Corequisites: SW 331, SW 340, and SW 350. Supervised practicum in an applied social service agency or allied setting for a minimum of 80 hours (8 hours per week for 10 weeks).
  - SW 350 Law, Court Decisions, and Policy Practice (3)  
Prerequisites: GE Foundation requirements and SW 351.
  - SW 351 Social Policy: Formulation and Analysis (3)  
Prerequisites: GE Foundation requirements.
  - SW 440 Generalist SW Practice with Groups (3)  
Prerequisites: SW 331, SW 340, SW 341. Corequisites: SW 495A.
  - SW 441 Generalist SW Practice with Communities and Institutions (3)  
Prerequisites: SW 331, SW 340, SW 341, SW 351. Corequisites: SW 495B.
  - SW 442 Generalist Social Work Practice with Individuals/Families (3)  
Prerequisites: SW 331, SW 340, SW 341. Corequisites: SW 495A.
  - SW 465 Research Methods in Social Work (3)  
Prerequisites: SW 440, SW 442 and one course in elementary statistics.
  - SW 495A Field Experience in Social Work I (3)  
Prerequisites: SW 330, SW 331, SW 340, SW 341, SW 350, SW 351. Corequisites: SW 440 and SW 442.
  - SW 495B Field Experience in Social Work II (3)  
Prerequisites: SW 442 and SW 495A. Corequisites: SW 441.
4. Complete the required major courses in the following sequence:
  - First Level (fall): SW 220, SW 221, SW 330, SW 351
  - Second Level (spring): SW 331, SW 340, SW 341, SW 350
  - Third Level (fall): SW 440, SW 442, SW 495A
  - Fourth Level (spring): SW 441, SW 465, SW 495B
5. Complete Field Education requirements:

The field sequence has an integral role in the BASW curriculum, providing an opportunity for students to apply social work knowledge and practice skills in an agency-based educationally-focused internship. In the junior year, students complete an 80-hour practicum (SW 341) at a

community agency (8 hours/week for 10 weeks). Students complete 450 hours of field placement (SW 495A/B) in their senior year for which they earn 6 academic units. Students complete 16 hours per week in an assigned agency placement and attend a weekly seminar on campus. This must include either two 8-hour weekdays or one 8-hour weekday and two 4-hour weekday blocks (Monday - Friday daytime hours). Students are placed in a variety of agencies in the surrounding communities, and the School of Social Work's field faculty selects the most appropriate field placement site for students. Criminal background checks and health screenings may be required for field placements.

6. Fulfill the Graduation Writing Assessment Requirement (GWAR)

7. Complete Abnormal Psychology by the end of the junior year

8. Meet all grade requirements:

All Social Work courses must be completed with a grade no lower than a "C" in classroom courses or a "CR" for practicum or field experience courses. If a student earns a grade lower than a "C" in a classroom course or an "NC" in a practicum or field experience course, the student must repeat the course. All courses must be taken in sequence, therefore, a student cannot move forward in the Social Work program until each course has been successfully completed. All practicum or field experience courses must be taken concurrently with direct generalist practice courses.

### **CalSWEC BASW Stipend Program**

California Social Work Education Center (CalSWEC) is a unique partnership between social work education and the publicly supported child welfare agencies. A goal of the CalSWEC program is to recruit and prepare a diverse group of social workers for careers in public child welfare. CalSWEC provides financial support to BASW students in exchange for a commitment to work in a public child welfare agency after graduation. The intent of the program is to strengthen and enhance the quality of practice by professionally trained and educated public child welfare social workers.

The IV-E stipends provide support for full-time students in their senior year enrolled in the BASW program. A CalSWEC reimbursement program is available for part-time students currently employed with the County Social Services department that provides child-welfare or assistance benefits eligibility functions. All part-time applicants must provide a letter of support from their agency administrator/director. Financial support for awarded part-time students will include actual cost of full tuition and fees, book costs as well as a travel allowance.

### **Application Process**

Students must first be admitted into the BASW program. Students are required to submit a CalSWEC application. The application is supplemented with various questions designed to ascertain their interest and level of commitment to a career in public child welfare. Once accepted into the program students must undergo pre-screening for county employment, including fingerprinting and participation in the criminal clearance process as well as a psychological and/

or medical exam. The student is required to sign a contract to secure full-time employment in a public child welfare agency after graduation.

Priority is given to applicants representing diverse population groups currently served by child welfare agencies in California. Fluency in a high demand language is also given priority. Years of service and other child welfare experience also weigh significantly into the selection process. Students in the program must be U.S. citizens or have a permanent visa.

An Awards Committee, made up of representatives of the CSULB School of Social Work and representatives of public child welfare agencies from counties surrounding the University, will review and finalize selection of candidates to whom the award will be offered.

### **Requirements**

Students participating in the program must meet all the following criteria:

1. Successful admission to the BASW major;
2. Maintain a C (2.0) average;
3. Attendance at mandatory seminars/trainings on specialized topics;
4. Have a valid driver's license and secure use of a car as required for field internship;
5. Undergo pre-screening for county employment;
6. Complete physical and psychological examinations required by agency listed in the affiliation agreement;
7. Fulfill work commitment upon graduation; students sign a contract to render one year of continuous and satisfactory full-time employment in a California public child welfare agency;
8. Students must reimburse CalSWEC if they are unable to successfully complete any of the program requirements.

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## **Graduate Programs**

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### **Master of Social Work**

The School of Social Work offers a professional program culminating in a Master's degree in Social Work. Our goal is to prepare students to enter professional, multicultural social work practice. Students learn to practice as professional social workers with persons and groups representing the range of human diversity and with all size systems (individuals, families, groups, communities and institutions). In addition, students are prepared for advanced, specialized practice in one of the following concentrations: Child and Family Wellbeing, Adulthood and Aging, or Integrated Health.

The MSW Program emphasizes ecological and systems perspectives which focus on the fit and interactions of a person or system in relation to the various environments likely to be encountered. Within these perspectives, knowledge, values, and skills are used in a change-oriented process within a multicultural context to help individuals and social systems achieve improved quality of life and social participation, including advocacy for just institutions and equitable access to opportunities and

resources.

The MSW curriculum prepares students to:

1. Recognize that the experiential and evolving developmental process may produce a specific and unique set of ethnic and cultural characteristics in each person and group;
2. Incorporate significant aspects of multiculturalism, and understand, appreciate, and accept ethnic and cultural diversity in their practice;
3. Advocate for persons to keep their ethnic and cultural lifestyles, languages, and traditions while simultaneously facilitating the adaptation and integration of diverse values and customs of local, regional, national, and international groups;
4. Engage in evaluation of practice, development of evidence-based practice skills, and strengthen knowledge and skills in research methods and practice; and
5. Recognize the components of social work supervision, consultation and administration and be prepared to engage in those roles.

### **Program Plans**

The School of Social Work offers three program plans for the completion of the MSW degree: 2-Year, 3-Year, and an Advanced Standing option. In addition, the School of Social Work offers a distance education option that follows the 3-year program plan.

### **Distance Education**

The MSW program is also offered at off-campus locations throughout the state. Current distance education sites are in the Sonoma County and Ventura County areas. Courses are taught using face-to-face instruction, as well as interactive television and web-based instructional support. The distance education MSW is offered using a 3-year program plan in the Child and Family Wellbeing concentration. Students attend courses on Saturdays and complete field education requirements during the second and third academic years of the program. The part-time CalSWEC Child Welfare Stipend program is available to qualified distance education students.

### **Concentrations**

The Master of Social Work degree offers opportunity for study in three areas of concentration: Child and Family Wellbeing, Adulthood and Aging, and Integrated Health. Students designate their choice of concentration during the foundation coursework. Advanced Standing Program students are offered admission to a specific concentration. The second-year courses and field placement will be determined by this choice of concentration. Program stipend recipients and students who choose to complete the Pupil Personnel Services Credential are required to choose a specific concentration (refer to those sections for more information).

#### **Child and Family Wellbeing Concentration**

The Child and Family Wellbeing concentration prepares students to use strength-based and evidence-based approaches to promote positive child and family functioning across diverse populations. Through coursework and field placements, students will acquire and enhance their skills

to effectively engage, assess and intervene with children and families both preventively and with those experiencing challenges. Students will also gain knowledge of the policies most salient to the lives of children and families and skills to effectively influence such policies. This concentration provides a solid framework for students interested in working in child protective services, schools and other public agencies or community-based non-profits.

#### **Adulthood and Aging Concentration**

The Adulthood and Aging concentration prepares students to use strength-based and evidence-based approaches to promote positive adult, older adult, and family functioning across diverse populations. Through coursework and field placements, students will acquire and enhance their skills to effectively engage, assess, and intervene with adults and older adults. Students will gain knowledge of the unique psychosocial needs facing adults, older adults, and their families. Students will examine adulthood and the aging processes from multiple perspectives: biomedical, psychological, socioeconomic, spiritual and cultural while examining contemporary trends that are shaping aging policy, practice, and theory. This concentration provides a solid framework for students interested in working in the areas of adult protective services, supportive services for family caregivers, Alzheimer's and dementia care services, hospice services, the prison system and community corrections, promotion of healthy aging, long-term care, and health care collaborations.

#### **Integrated Health Concentration**

The Integrated Health concentration prepares students to use strength-based and evidence-based approaches to meet the changing needs of people from diverse populations with physical, behavioral health, and substance use challenges. Through coursework and field placements, students will acquire and enhance their skills to effectively engage, assess, and intervene with individuals who face chronic diseases and co-occurring conditions of mental health challenges and/or substance use. Students will learn to utilize prevention and brief intervention models critical to integrated care and how to work effectively on an interdisciplinary team. Students will learn how evidence-based practice, along with recovery-oriented and strengths-based care philosophies, can foster changes in practice settings and policies. This concentration provides a solid framework for students interested in working to deliver services in outpatient or primary care facilities, community-based behavioral health agencies, hospitals, and acute, chronic and long-term care settings.

#### **Admission to Master of Social Work (MSW) Program**

Students are admitted by University Enrollment Services to the MSW Program for the fall semester each year. Prospective students should apply directly to the University and then to the School of Social Work. International students must also apply to the Center for International Education (<http://www.ccpe.csulb.edu/international/default.aspx>). Receipt of applications by the School begins the first

week of October.

### **Application Deadlines**

Applicants for the MSW program must apply to the University and submit their application packet to the School of Social Work by the deadline designated on the Graduate Studies website (<http://www.csulb.edu/divisions/aa/grad/>) for admission to the MSW program the following fall semester. Please refer to the School of Social Work MSW Admissions website for more information (<http://www.csulb.edu/colleges/chhs/departments/social-work/master-of-social-work/>).

### **Admission Requirements**

Prospective applicants to the MSW program must meet the following admission criteria:

1. A bachelor's degree and be eligible for admission to graduate status at CSULB.
2. Satisfactory academic achievement as evidenced by a cumulative undergraduate GPA of 2.5 or above on a 4.0 scale.
3. Quality of work, internship, and volunteer experience as evaluated by faculty. This evaluation will be based on the applicant's resume, Personal and Professional Statement, references, and the length and relevance of Social Work and Social Work-related experience.
4. Completion of a prerequisite course in elementary statistics with a grade of "C" or better.
5. Submission of a complete School of Social Work MSW application packet which includes the following:
  - Completed MSW admission application form
  - Three MSW Reference Forms (a combination of academic and professional sources)
  - Resume inclusive of work, internship, and volunteer experience
  - Personal and Professional Statement
  - Elementary Statistics prerequisite syllabus

Application packets that do not contain all of the materials listed above will be considered incomplete and will not be evaluated for admission decisions. Moreover, application packets must be fully assembled by the applicant prior to submission.

6. Preadmission interviews may be required by the School of Social Work faculty.

### **Admission to MSW Advanced Standing Program**

Students who have a 3.0 cumulative GPA and hold an undergraduate degree in social work may be conditionally accepted to the MSW Advanced Standing program. Upon successful completion of an intensive Summer Bridge program (see below), the foundation courses (30 units) will be waived and students will be advanced to candidacy and begin the second year of the 2-year MSW program. Admission to the Advanced Standing program is conditional until all Summer Bridge modules have been successfully completed.

### **Additional Admission Criteria for Advanced Standing Program**

In addition to the admission requirements listed above, applicants must meet the following requirements to be

considered for the Advanced Standing program:

- Completion (within the last five years) of a bachelor's degree from a Social Work program that is accredited by the Council on Social Work Education at the time of the applicant's graduation.
- A cumulative undergraduate GPA of 3.0 or above on a 4.0 scale.
- Submission of a reference form from the applicant's field instructor/field supervisor or field liaison or the Field Director/Coordinator of the applicant's BSW/BASW program, a reference form from the applicant's Social Work Academic Advisor or Social Work (BSW/BASW) professor whose course the applicant has completed or is taking at the time of application, and a reference form from a professional source.

### **Waiver of Foundation Coursework for Advanced Standing Students**

The Master of Social Work degree is based upon a common body of knowledge. Students who have earned a bachelor's degree in social work from a CSWE-accredited undergraduate social work program within the last five years (with a GPA of 3.0 or higher) should have mastered the body of knowledge contained in the foundation courses of the MSW program. Students admitted to the Advanced Standing program will receive a waiver of the foundation courses (30 units) if they successfully complete the Summer Bridge program prior to entering the MSW program. The Summer Bridge program includes modules from the following areas: research, micro and macro practice, human behavior and the social environment, policy, technology, and field education. The Summer Bridge field placement includes 160 hours (16 hours per week). Students, therefore, have a provisional admission to the School until they have successfully completed the Summer Bridge program. When they successfully complete the Summer Bridge modules and field placement, the School of Social Work waives the foundation courses (30 units) and the student enters the second year of the MSW Program in the Fall semester. Students are immediately Advanced to Candidacy upon receiving the waiver. The foundation courses that are waived are: SW 500, SW 503A, SW 503B, SW 505, SW 570, SW 592, SW 594A, SW 594B, SW 596A, and SW 596B.

Students for whom the foundation courses are waived are not eligible to apply for the Geriatric Social Work Education Consortium (GSWEC) stipend.

### **MSW Program Requirements**

#### **Advancement to Candidacy**

MSW students must maintain a minimum GPA of 3.0 on all courses taken subsequent to admission. In addition, students must maintain a cumulative GPA of 3.0 in all courses required for the degree. A student will be eligible for advancement to candidacy for the degree after successfully completing 6 units of graduate level courses in Social Work. All students must demonstrate competency in writing skills. Students must meet the Graduation Writing Assessment Requirement (GWAR) requirement prior to advancement to candidacy.



## Course Load

The California State University, Long Beach requirement for full-time status as a graduate student is 9 weighted units. Students in the 3-year MSW program must take at least 4 semesters of at least 3 courses or 9 units. Students in the 2-year or Advanced Standing MSW program must take an overload of 6 units for 4 semesters or 15 units a semester.

## Academic Units

The Master of Social Work program requires the completion of 60 semester units. Fifty-one (51) units of required courses and nine (9) units of scheduled School electives must be taken to complete the MSW degree. Stipend programs and the Pupil Personnel Services Credential require completion of a specific 3-unit elective (refer to those sections for more information).

## Required Courses for MSW Program

Sixty (60) units of graduate coursework are required:

Students must complete all of the following foundation courses (30 units):

SW 500 Foundation Social Work Micro Practice Skills and Interventions (3)  
Prerequisites: None.

SW 503A Human Behavior and the Social Environment: Focus on Prenatal through Adolescence (3)  
Prerequisites: None.

SW 503B Human Behavior and the Social Environment: Focus on Young Adulthood through Late Life (3)  
Prerequisites: SW 503A.

SW 505 Foundation Social Policy: Addressing Oppression through Social Justice (3)  
Prerequisites: None.

SW 570 Foundation Social Work Practice: Skills and Interventions with Groups (3)  
Prerequisites: SW 500. Corequisites: SW 596A or SW 596B.

SW 592 Foundation Social Work Macro Practice Skills and Interventions (3)  
Corequisites: SW 596A or SW 596B.

SW 594A Research Methods in Social Work I (3)  
Prerequisites: None.

SW 594B Research Methods in Social Work II (3)  
Prerequisites: SW 594A.

SW 596A Foundation Field Education I (3)  
Corequisites: SW 500 or SW 570.

SW 596B Foundation Field Education II (3)  
Prerequisites: SW 500 and SW 596A. Corequisites: SW 570 or SW 592.

Students must complete 30 units of advanced coursework which includes:

SW 605 Advanced Social Policy: Analysis, Advocacy & Practice (3)  
Prerequisites: SW 505.

SW 670 Social Work Leadership and Management (3)  
Corequisites: SW 680B.

SW 680A Advanced Field Education I (3)  
Prerequisites: SW 596A and SW 596B. Corequisites: SW 620 or SW 630 or SW 650.

SW 680B Advanced Field Education II (3)  
Prerequisites: SW 680A. Corequisites: SW 670.

Complete one (1) of the following advanced practice courses (3 units) within the designated concentration:

SW 620 Advanced Social Work Practice: Child and Family Wellbeing (3)  
Prerequisites: SW 500, SW 570 & SW 592. Corequisites: SW 680A.

SW 630 Advanced Social Work Practice: Adulthood and Aging (3)  
Prerequisites: SW 500, SW 570 & SW 592. Corequisites: SW 680A.

SW 650 Advanced Social Work Practice: Integrated Health (3)  
Prerequisites: SW 500, SW 570 & SW 592. Corequisites: SW 680A.

Complete three (3) 600-level elective courses (9 units total) from the following list of courses:

SW 643 Social Work Practice within Child Welfare Services (3)  
Prerequisites: SW 503A and SW 503B.

SW 662 Legal Issues in Social Work Practice (3)  
Prerequisites: SW 503A.

SW 663 Assessment and Treatment of Alcohol and Substance Use Disorders (3)  
Prerequisites: SW 503A.

SW 665 School Social Work (3)  
Prerequisites: SW 503A.

SW 675 Social Work Practice with Death, Dying and Loss (3)  
Prerequisites: SW 503A.

SW 677 Social Work Practice in Mental Health Services (3)  
Prerequisites: SW 503A.

SW 678 Play Therapy with Children, Adolescents and Their Families (3)  
Prerequisites: SW 500 and SW 503A.

SW 679 Psychopathology: Assessment and Treatment in Social Work Practice (3)  
Prerequisites: SW 503A and SW 503B.

SW 683 Brief Treatment (3)  
Prerequisites: SW 503A.

SW 690 Selected Topics in Graduate Social Work (3)  
Prerequisites: Consent of school.

SW 691 Non-Violent Conflict Resolution (3)  
Prerequisites: SW 503A.

SW 692 Spirituality in Social Work Practice (3)  
Prerequisites: SW 503A.

Complete one of the following culminating requirements (6 units) in the final year of the program:

Thesis/Project I and II (SW 698A and SW 699A)

Applied Social Work Project: Part I and Part II (SW 698C and SW 699C)

## Sequence of Required Courses

The MSW Program is taken in one of the following four sequences:

### Plan A: (two years)

- Term 1 - SW 500, SW 503A, SW 505, SW 594A, SW 596A (Fall)
- Term 2 - SW 503B, SW 570, SW 592, SW 594B, SW 596B (Spring)

- Term 3 - SW 620 or SW 630 or SW 650, SW 680A, SW 698A/C, TWO 600-level electives (Fall)
- Term 4 - SW 605, SW 670, SW 680B, SW 699A/C, 600-level elective (Spring)

#### **Plan B: Advanced Standing**

Summer Bridge Module includes:

- Fieldwork - 16 hours per week for 10 weeks (160 hours total) plus 2 hours of seminar per week
- Human Behavior & Social Environment
- Policy
- Research
- Practice (Micro & Macro)
- Technology

Second Year Coursework:

- SW 620 or SW 630 or SW 650, SW 680A, SW 698A/C, TWO SW 600-level electives (Fall)
- SW 605, SW 670, SW 680B, SW 699A/C, SW 600 level elective (Spring)

#### **Plan C: (three years)**

- Term 1 - SW 503A, SW 505 (Fall)
- Term 2 - SW 503B, SW 594A (Spring)
- Term 3 - SW 500, SW 594B (Summer)
- Term 4 - SW 570, SW 596A, SW 600-level elective (Fall)
- Term 5 - SW 592, SW 596B, SW 600-level elective (Spring)
- Term 6 - SW 605, 600-level elective (Summer)
- Term 7 - SW 620 or SW 630 or SW 650, SW 680A, SW 698A/C (Fall)
- Term 8 - SW 670, SW 680B, SW 699A/C (Spring)

**Distance Education** (Child and Family Wellbeing concentration only): (three years)

- Term 1 - SW 503A, SW 505 (Fall)
- Term 2 - SW 503B, SW 594A (Spring)
- Term 3 - SW 500, SW 594B (Summer)
- Term 4 - SW 570, SW 596A, SW 600-level elective (Fall)
- Term 5 - SW 592, SW 596B, SW 600-level elective (Spring)
- Term 6 - SW 605, SW 600-level elective (Summer)
- Term 7 - SW 620, SW 680A, SW 698A/C (Fall)
- Term 8 - SW 670, SW 680B, SW 699A/C (Spring)

### **Field Education**

The field education sequence has an integral role in the MSW curriculum. The experience offers an opportunity for students to integrate and apply theoretical knowledge and social work practice and intervention skills in a community agency setting under the supervision of a qualified field instructor. A variety of agencies within the surrounding counties are utilized, reflecting the diverse settings in which social workers are employed. University field faculty select the most appropriate field placement site for students.

Each student has two field placements and concurrent enrollment in practice courses during the course of study. Each placement involves 500 hours of internship in a community agency setting and attendance and participation in an integrated field seminar that meets

weekly on campus. The field education sequence encompasses a total of 1000 hours, for which 12 units of academic credit are given. The academic year schedule begins in September and continues through mid-May. Fieldwork includes attendance in a field seminar as well as internship in the community. Students complete 16 hours per week. This must include either two 8-hour weekdays or one 8-hour weekday and two 4-hour weekday blocks. No weekend placements are available. Students admitted to the Advanced Standing program complete one field education placement for a total of 660 hours that begins in June and continues through mid-May.

Students who are employed in social service agencies may request that their agency be evaluated as a site for the second year field internship only. The agency must be able to meet all criteria established by the School of Social Work to ensure the educational focus of field education and provide a significantly different experience than the student's current job duties. Evaluation of field placement sites and approval to utilize an agency of employment as a field site will be completed by the field faculty.

The School of Social Work will reject an applicant or disqualify an enrolled student whose record of academic achievement or performance in field education does not meet the minimum standards of the profession.

#### **Stipend and Credential Opportunities for MSW Students**

##### **CalSWEC MSW Stipend Programs**

The California Social Work Education Center (CalSWEC) is a partnership between the schools of social work, public human service agencies, and other related professional organizations that facilitates the integration of education and practice to assure effective, culturally competent service delivery to the people of California.

##### **CalSWEC Child Welfare**

The CalSWEC Child Welfare program is available to qualified graduate students who are interested in pursuing a social work career in the child welfare field. Interested candidates must complete an application process.

##### **Full-Time CalSWEC Child Welfare Stipend Program**

This stipend provides for two years of support for students in the 2-year MSW program and one year of support for students in the Advanced Standing MSW program. The student signs a contract to secure full-time employment in a California public child welfare agency for two years post graduation but is expected to remain in public child welfare employment for longer than this minimum period. Once accepted into the program, students must undergo pre-screening for county employment including fingerprinting, as well as psychological and/or medical exams and participation in the criminal clearance process.

### **Part-Time CalSWEC Child Welfare Stipend Program**

Students eligible to apply for the part-time CalSWEC reimbursement program must be employees of the State or County Social Services department that provides the child welfare or assistance benefits eligibility functions. All 3-year MSW applicants must provide a letter of support from their agency administrator/director. Financial support for admitted students will include: tuition and fees, book costs and a travel allowance. Students participating in the program sign a contract to render two years of full-time employment in their home public child welfare agency after graduation. Requirements for CalSWEC Child Welfare Stipend Program (Full-time and Part-time)

Students participating in the program must meet all of the following criteria:

- Complete and graduate from the MSW Program in the Child and Family Wellbeing concentration
- Maintain a "B" (3.0) average
- Have a valid driver's license, current automobile insurance, and secure the use of a car as required by fieldwork
- Successfully complete all of the required courses including the child welfare elective
- Successfully complete a public child welfare field internship placement
- Attend selected workshops or annual seminars on issues related to child welfare

Students must reimburse CalSWEC if they are unable to successfully complete any of the program requirements.

### **Los Angeles County Department of Mental Health Stipend Program**

The LA County Department of Mental Health stipend program is for graduate students who are interested in pursuing a social work career in the mental health field and are willing to make a commitment to work full-time in an LA County mental health agency or a county contracted agency after they have received their MSW degrees. Interested candidates must complete an application process.

### **Requirements for Los Angeles County Department of Mental Health Stipend Program**

Students participating in the program must meet all of the following criteria:

- Sign a contract to work full-time in an LA County mental health agency or a county contracted agency for a minimum of one year immediately after graduation
- Complete and graduate from the MSW Program in the Integrated Health concentration within the required timelines established for each program model
- Successfully complete all of the required courses including the approved mental health elective
- Successfully complete a mental health field placement
- Attend selected workshops or annual seminars on issues related to public mental health services and

the California Mental Health Services Act (MHSA)

- Maintain a "B" (3.0) average
- Receive a security clearance/Livescan to be placed in an internship and be employed in an LA County mental health agency or a county contracted agency

Students must reimburse LA County DMH if they are unable to successfully complete any of the program requirements.

### **University Consortium for Children and Families (UCCF)**

The University Consortium for Children and Families (UCCF) is a specialized training program in public child welfare available in the MSW program. The University Consortium for Children and Families Training Project is a collaborative endeavor between the Los Angeles County Department of Children and Family Services (DCFS) and the graduate programs of social work at CSULB, UCLA, USC, CSULA, CSUN, CSUDH., and APU. The overall goal of this collaborative project is to increase the professional skills and knowledge of Los Angeles County public child welfare workers. The UCCF Training Project at CSULB is designed to prepare social work student interns in the most innovative and current programs at designated DCFS Regional Offices. The stipends are available for one year for students enrolled in the 2-year or 3-year MSW program. Students may apply for the second year of field placement. Students who work at DCFS or are currently (or have been) CalSWEC students are not eligible. Interested candidates must complete an application process.

### **Requirements for University Consortium for Children and Families (UCCF)**

Students accepted into the program must:

- Sign a contract to secure full-time employment with the Los Angeles County Department of Children and Family Services for one year post graduation but are expected to remain in public child welfare employment for longer than this minimum period
- Have a valid driver's license, current automobile insurance, and secure the use of a car as required by the field placement
- Complete pre-screening for county employment including Livescan and physical and psychological examinations
- Successfully complete one year of a field internship in the UCCF/DCFS placement
- Complete designated specialized training seminars
- Successfully complete the child welfare elective
- Maintain a "B" (3.0) average
- Complete and graduate from the MSW Program in the Child and Family Wellbeing concentration within the required timelines established for each program model

Students are responsible for payback of the stipend if they are unable to successfully complete any of the requirements of the program.

### **Geriatric Social Work Education Consortium (GSWEC)**

The Geriatric Social Work Leadership Internship provides specialized geriatric training and stipends for students in the Adulthood and Aging concentration

who have satisfactorily completed their first year of field internship. The GSWEC Leadership Internship is a program of the Partners in Care Foundation (PCF) and was initially funded by grants from the John A. Hartford and Archstone Foundations. The PCF collaborates with the departments and schools of social work of CSULB, CSULA, CSUN, CSUDH, Azusa-Pacific, CSUF, USC, and UCLA to provide this unique training opportunity. Graduate Interns are placed at various comprehensive social service agencies throughout Los Angeles County where didactic leaning and practice interventions are combined to train the interns to meet the challenges of geriatric social work in the 21<sup>st</sup> century. Interested candidates must complete an application process.

### **Pupil Personnel Services Credential: Specialization in School Social Work and Child Welfare and Attendance (code 803)**

The California Commission on Teacher Credentialing issues the Pupil Personnel Services Credential (PPSC). The School of Social Work, in collaboration with the College of Education, offers the combined School Social Work and Child Welfare and Attendance Specializations of the PPS Credential within the context of the Master of Social Work (MSW) degree. The PPS Credential in School Social Work and Child Welfare and Attendance authorizes the holder to be employed in the State of California as a School Social Worker and/or a Child Welfare and Attendance Specialist. The credential covers pre-kindergarten through 12<sup>th</sup> grade in public and other schools requiring the credential.

#### **Requirements for the Pupil Personnel Services Credential (PPSC)**

- Successful completion of all of the requirements for the 60 unit Master of Social Work (MSW) degree within the Child and Family Wellbeing concentration
- Completion of SW 665 "School Social Work" as one of the required electives within the 60 unit MSW Program, taken either prior to or concurrently with a school social work field placement
- Successful completion of four required School Social Work PPSC seminars covering specialized topics
- Demonstrated knowledge in the following areas of pupil personnel services, as defined in the Commission on Teacher Credentialing Standards: techniques for facilitating individual growth and development to achieve academic success; socio-cultural influences that affect pupils in a school setting; problem prevention and early intervention; consultation services; learning theory and psychological education; coordination and development of services; legal enablements and constraints; referral and utilization of services; human assessment as direct services to pupils; social interventions; consultation coordination and development of services; referral, utilization, involvement and use of community resources; social research and services based on research; code of professional ethics; attendance laws and the rights of minors; and skills using attendance laws and assessment skills
- Successful completion of 600 clock hours of field

practice in the second year of field education, demonstrating all of the required skills and knowledge areas, in an approved PPSC site, under the supervision of an experienced MSW level practitioner who holds a PPS Credential in school social work. Supervised hours of field practice will include at least 100 hours in each of two settings (elementary, middle and/or high school), offer experience in service delivery with populations representing ethnic diversity, and cover both school social work and child welfare and attendance competencies and standards.

- Completion of required application and forms from California Commission on Teacher Credentialing, including fingerprints, and a Certificate of Clearance
- Completion of required health screenings
- Pass three sections of the C-BEST Examination
- Certification of program completion and demonstrated competence by the PPSC Program Coordinator in the School of Social Work

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### **Courses (S W)**

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#### **LOWER DIVISION**

##### **220. Introduction to Social Welfare (3)**

Prerequisite: GE Foundation requirements.

Offers an understanding of social welfare, and the knowledge, values, and skills essential to social work practice. It examines historical and philosophical perspectives including cultural, economic, political, and social forces.

Letter grade only (A-F).

##### **221. Introduction to Social Welfare Practicum (3)**

Prerequisite: Consent of instructor.

Corequisite: SW 220.

This course focuses on experiential learning and is designed to enhance the integration of social work theory and principles with practice application. Includes opportunities for information gathering about community agencies and the role of social workers in those agencies.

Open to social work majors only. Credit/No Credit grading only. Course fee may be required.

#### **UPPER DIVISION**

General Education Category A must be completed prior to taking any upper division course except upper division language courses where students meet formal prerequisites and/or competency equivalent for advanced study.

##### **330. Human Behavior and Social Environment: Birth through Adolescence (3)**

Prerequisites: GE Foundation requirements.

Multi-dimensional development from conception through adolescence is explored by examining expectations, resources and barriers presented by mainstream society. Influences of culture, ethnicity, family systems, socioeconomic status, sexism and racism are assessed for their impact on healthy child development.

Letter grade only (A-F).

### **331. Human Behavior and Social Environment: Young Adulthood through Old Age (3)**

Prerequisites: GE Foundation requirements.

Multi-dimensional development in adulthood is explored by examining expectations, resources and barriers presented by mainstream society. Influences of culture, ethnicity, family systems, socioeconomic status, sexism and racism are assessed for their impact on healthy adult development.

Letter grade only (A-F).

### **340. Generalist Social Work Practice (3)**

Prerequisites: SW 220, SW 221, SW 330, and SW 351.  
Corequisite: SW 341.

Social work practice as a helping process with all size systems. Social work knowledge, ethics, values, principles, professional relationships, interviewing and beginning assessment and intervention phases are examined. The activities of the social worker in resolution of psychosocial problems.

Open to social work majors only. Letter grade only (A-F).

### **341. Social Work Practicum (3)**

Corequisites: SW 331, SW 340, and SW 350.

Supervised practicum in an applied social service agency or allied setting for a minimum of 80 hours (8 hours per week for 10 weeks. Social work field practice includes interviewing, assessment, and intervention activities.

Credit/No Credit grading only. Open to social work majors only. Not open for credit to students with credit in SW 340A. Course fee may be required.

### **350. Law, Court Decisions, and Policy Practice (3)**

Prerequisites: GE Foundation requirements and SW 351.

Exploration of the intersection between social work and legal systems. Examination of forensic social work practice, policies and court cases. Policy practice, skill building for work with diverse populations among different settings and ethical aspects of professional practice are emphasized.

Letter grade only (A-F).

### **351. Social Policy: Formulation and Analysis (3)**

Prerequisites: GE Foundation requirements.

Policy formulation and analysis related to social welfare institutions and major social welfare policies and programs. Current values and issues in social welfare policy.

Letter grade only (A-F).

### **440. Generalist Social Work Practice with Groups (3)**

Prerequisites: SW 331, SW 340, SW 341. Corequisite: SW 495A.

Adaptation of generalist frameworks of social work practice to generalist group approaches. Analysis of dynamics, theories, and principles underlying group practice. Programs, practice techniques, and roles involved with groups.

Open to social work majors only. Letter grade only (A-F).

### **441. Generalist Social Work Practice with Communities and Institutions (3)**

Prerequisites: SW 331, SW 340, SW 341, SW 351. Corequisite: SW 495B.

Adaptation of generalist frameworks of social work practice to generalist approaches to community and institutional applications. Analysis of theories and principles underlying community practice. Adaptation of theories and activities to organizational contexts. Techniques and activities applicable to communities and neighborhoods.

Open to social work majors only. Letter grade only (A-F).

### **442. Generalist Social Work Practice with Individuals and Families (3)**

Prerequisites: SW 331, SW 340, SW 341. Corequisite: SW 495A.

Adaptation of generalist frameworks of social work practice to generalist practice with individuals and families. Theories, techniques, activities, and role of social workers; differential approaches to study, assessment, intervention, and helping processes.

Open to social work majors only. Letter grade only (A-F).

### **465. Research Methods in Social Work (3)**

Prerequisites: SW 440, SW 442 and one course in elementary statistics.

Introduction to research methods in social work with an emphasis on the evaluation of social work interventions and agency programs.

Open to social work majors only. Letter grade only (A-F).

### **490. Selected Topics in Social Work (1-4)**

Open to social work majors only.

Topics of special interest in social work for intensive study.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

### **495A. Field Experience in Social Work I (3)**

Prerequisites: SW 330, SW 331, SW 340, SW 341, SW 350, SW 351.

Corequisite: SW 440 and SW 442.

Open to senior social work majors only. First of two semesters with supervised practice in social work agency.

Credit/No Credit grading only. (Seminar 2 hours, Clinical Process 1 hour. Two hours weekly field seminar on campus and 16 hours in agency placement required.) Course fee may be required.

### **495B. Field Experience in Social Work II (3)**

Prerequisites: SW 442 and SW 495A.

Corequisites: SW 441

Open to senior social work majors only. Second of two semesters with supervised practice in social work agency.

Credit/No Credit grading only. (Seminar 2 hours, Clinical Process 1 hour. Two hours weekly field seminar on campus and 16 hours in agency placement required.) Course fee may be required.

### **499. Directed Studies (1-3)**

Prerequisite: Consent of instructor.

Independent study of special topics under supervision of a faculty member.

Open to social work majors only. Letter grade only (A-F).

## **GRADUATE LEVEL**

### **500. Foundation Social Work Micro Practice Skills and Interventions (3)**

Provides basic knowledge and skills for interventions with children, adults, older adults and families in the context of generalist practice. Emphasis is on engagement, assessment, and evidence-based interventions with a focus on multicultural perspectives.

Letter grade only (A-F).

### **503A. Human Behavior and the Social Environment: Focus on Prenatal through Adolescence (3)**

Provides an examination of human behavior and development utilizing a bio-psycho-social-spiritual perspective. Theoretical perspectives on development within the social environment from perinatal through late adolescence are critically reviewed for bias and potential for multicultural application.

Letter grade only (A-F).

**503B. Human Behavior and the Social Environment: Focus on Young Adulthood through Late Life (3)**

Prerequisite: SW 503A.

Provides an examination of human behavior and development utilizing a bio-psycho-social-spiritual perspective. Theoretical perspectives on development within the social environment from young adulthood through end of life are critically reviewed for bias and potential for multicultural application.

Letter grade only (A-F).

**505. Foundation Social Policy: Addressing Oppression through Social Justice (3)**

Focuses on the critical analysis of policies which includes socio-economic, political and global factors influencing the U.S. social welfare system. Societal values and structural impediments influencing formation, implementation and evaluation of policies are emphasized using a multicultural framework.

Letter grade only (A-F).

**570. Foundation Social Work Practice: Skills and Interventions with Groups (3)**

Prerequisite: SW 500.

Corequisite: SW 596A or SW 596B.

Focuses on intervention techniques with treatment and task groups across the lifespan. The course will examine all aspects of working with groups including planning, facilitating, analyzing, and evaluating different groups.

Letter grade only (A-F).

**590. Selected Topics in Social Work (3)**

Prerequisite: Consent of instructor.

Letter grade only (A-F). May be repeated to a maximum of 6 units for majors and 9 units for non-majors with different topics. Topics announced in the *Schedule of Classes*.

**592. Foundation Social Work Macro Practice Skills and Interventions (3)**

Corequisite: SW 596A or SW 596B.

Focuses on the acquisition and application of knowledge and skills for macro practice. History, methods, theories, and socio-political determinants are emphasized. Explores implications for diverse communities; examines the relationship between professional values and ethical dimensions within community practice.

Letter grade only (A-F).

**594A. Research Methods in Social Work I (3)**

Focuses on the evidence-based research process, including conceptualization of research problems, designs, sampling, measurement, and data collection. The emphases are on building skills for conducting multiculturally-focused social work research and evaluating findings critically.

Letter grade only (A-F).

**594B. Research Methods in Social Work II (3)**

Prerequisite: SW 594A.

Covers the application of research methods for evidence-based social work practice, including qualitative data analyses, quantitative statistical analyses, program evaluation, and preparation of reports for dissemination, with continued emphasis on the ability to conduct and critique multiculturally-focused research.

Letter grade only (A-F).

**596A. Foundation Field Education I (3)**

Corequisite: SW 500 or SW 570

First of two semesters of supervised agency practice. Develops basic skills with individuals, families, groups, and communities. Includes weekly integrative seminar which utilizes group process to support practice competencies, professional development, self-awareness, ethics, and problem solving in a multicultural context.

Credit/No Credit grading only. (Seminar 2 hours, Clinical Process 1 hour. Two hours weekly field seminar on campus and 16 hours in agency placement required.) Course fee may be required.

**596B. Foundation Field Education II(3)**

Prerequisites: SW 596A and SW 500

Corequisite: SW 570 or SW 592

Second of two semesters of supervised agency practice. Develops basic skills with individuals, families, groups, and communities.

Includes weekly integrative seminar which utilizes group process to support practice competencies, professional development, self-awareness, ethics, and problem solving in a multicultural context.

Credit/No Credit grading only. (Seminar 2 hours, Clinical Process 1 hour. Two hours weekly field seminar on campus and 16 hours in agency placement required.) Course fee may be required.

**599. Independent Study (1-3)**

Prerequisites: Consent of School and instructor.

Independent study of special topics under supervision of a faculty member.

May be repeated to a maximum of 6 units. Letter grade only (A-F).

**605. Advanced Social Policy: Analysis, Advocacy and Practice (3)**

Prerequisite: SW 505

Focuses on an advanced understanding of key issues, concepts, and skills associated with policy reform. Students will learn how to apply various strategies, techniques and actions that can influence elected officials, policy makers, organizations and communities.

Letter grade only (A-F). Not open to students with credit in SW 682.

**620. Advanced Social Work Practice: Child and Family Wellbeing (3)**

Prerequisites: SW 500, SW 570, and SW 592.

Corequisite: SW 680A.

Advanced practice course that focuses on working with children and families. Emphasis is on evidenced-based intervention techniques and evolving perspectives of goals of social work practice. Multicultural perspectives on assessment and interventions will be examined.

Letter grade only (A-F).

**630. Advanced Social Work Practice: Adulthood and Aging (3)**

Prerequisites: SW 500, SW 570, and SW 592.

Corequisite: SW 680A.

Focuses on assessment and intervention with adults and older adults, while addressing the basic processes of aging. The course covers advanced practice models in relation to ecological systems and multicultural perspectives.

Letter grade only (A-F).

**643. Social Work Practice within Child Welfare Services (3)**

Prerequisite: SW 503A.

Covers child protective policies and practices, including adoption, family preservation, transitional age youth, foster, kinship, and group care, with focus on incorporating innovative service delivery, multicultural practice and federally mandated outcomes related to child safety, wellbeing and permanency.

Letter grade only (A-F).

**650. Advanced Social Work Practice: Integrated Health (3)**

Prerequisites: SW 500, SW 570, and SW 592.

Corequisite: SW 680A.

Advanced course in integrating behavioral health practice with primary care. The role of social workers, theories, models, and multicultural aspects are enhanced. Advanced engagement, assessment, intervention, implementation, and practice evaluation skills are developed.

Letter grade only (A-F).

**662. Legal Issues in Social Work Practice (3)**

Prerequisite: SW 503A.

Covers the legal systems affecting social work interventions and the role of social workers within those systems. Examines how laws and legal systems impact client populations. Legal research and resources, legal reasoning, and the court systems are examined.

Letter grade only (A-F).

**663. Assessment and Treatment of Alcohol and Substance Use Disorders (3)**

Prerequisite: SW 503A.

Focuses on clinical and policy issues significant for social work practice with individuals, family systems and the community. Alcohol and substance use is examined across the lifespan with a focus on multicultural and strengths-based practice.

Letter grade only (A-F).

**665. School Social Work (3)**

Prerequisite: SW 503A.

School social work practice emphasizes the home-school-community connection. School social workers intervene in multiple systems, providing support for students and families while bringing about change in school practices. Course content includes social work roles, education laws, evidence-based practice, and diversity.

Letter grade only (A-F).

**670. Social Work Leadership and Management (3)**

Corequisite: SW 680B.

Focuses on organizational leadership and problem solving, using theories of organizational behavior and management. Examines frameworks for governance, planning, monitoring, information management, human resources, fiscal responsibility, quality assurance, and community relations with attention to multicultural and gender issues.

Letter grade only (A-F).

**674. Clinical Diagnosis and Therapeutic Communication (3)**

Prerequisite: SW 503A.

Reviews the major theoretical approaches to social work treatment to teach specific clinical interventions. Students are trained to skillfully and therapeutically intervene with a variety of diagnostic categories. Outcome research will be reviewed and evaluated.

Letter grade only (A-F).

**675. Social Work Practice with Death, Dying and Loss (3)**

Prerequisite: SW 503A.

Provides an overview of psychological, cultural, and professional perspectives of death and dying. Topics examined include health-related death, unexpected traumatic death, and bereavement following loss. Emotional impact of loss and coping strategies used to promote healing are explored.

Letter grade only (A-F).

**677. Social Work Practice in Mental Health Services (3)**

Prerequisite: SW 503A.

Focuses on social, economic and cultural factors as they affect social work practice in mental health services including the Recovery Paradigm and client-centered approaches that are in accordance with the California Mental Health Services Act (MHSA).

Letter grade only (A-F).

**678. Play Therapy with Children, Adolescents and Their Families (3)**

Prerequisites: SW 500 and SW 503A.

Explores the use of play therapy as a social work practice intervention. It focuses on the modality of play as a means of helping children, adolescents, and their families in a therapeutic setting.

Letter grade only (A-F).

**679. Psychopathology: Assessment and Treatment in Social Work Practice (3)**

Prerequisites: SW 503A and SW 503B.

Prepares students to assess and diagnose psychopathology using diagnostic tools such as the Diagnostic Statistical Manual of Mental Disorders (DSM). Ethical challenges presented in the use of these tools in social work practice will be addressed.

Letter grade only (A-F).

**680A. Advanced Field Education I (3)**

Prerequisites: SW 596A and SW 596B.

Corequisite: SW 620 or SW 630 or SW 650

First of two semesters of field placement in area of concentration. Seminar experience utilizes group process to develop advanced competencies. Emphasis is placed on case presentation, demonstration and evaluation of practice skills, supervision use, cultural responsiveness, and professional ethics.

Credit/No Credit grading only. (Seminar 1 hour, clinical process 2 hours. Two hours bi-weekly in field seminar and 16 hours in agency placement required) Course fee may be required.

**680B. Advanced Field Education II (3)**

Prerequisite: SW 680A.

Corequisite: SW 670

Continuation of concentration field placement. Seminar is facilitated by students with support from the instructor. Focus is on integration of graduate coursework and professional development within the context of multicultural practice. Content includes preparation for master's level social work employment.

Credit/No Credit grading only. (Seminar 1 hour, clinical process 2 hours. Two hours bi-weekly in field seminar and 16 hours in agency placement required.) Course fee may be required.

**683. Brief Treatment (3)**

Prerequisite: SW 503A.

Covers the methodologies used in brief and/or time limited clinical treatment. Models of brief therapy, empirical research and diverse client populations are explored. Reviews ethnic, gender, and other issues related to the use of this treatment approach.

Letter grade only (A-F).

**690. Selected Topics in Graduate Social Work (3)**

Prerequisites: Consent of school.

Topics of special interest in social work selected for intensive study.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

**691. Non-Violent Conflict Resolution (3)**

Prerequisite: SW 503A.

Designed to help students examine conflict, their own and others' responses to conflict situations on the intrapersonal, interpersonal and community levels, and to learn to deal with conflict in a productive, non-violent manner.

Letter grade only (A-F).

**692. Spirituality in Social Work Practice (3)**

Prerequisite: SW 503A.

Examines issues pertaining to spiritually sensitive social work practice. The rich and diverse forms of spiritual expressions and religious and philosophical ideologies that may be espoused by clients are explored.

Letter grade only (A-F).

**698A. Thesis or Project I (3)**

Prerequisites: SW 594A, SW 594B. Completion of 30 MSW units with a minimum cumulative GPA of 3.0, and advancement to candidacy.

Under the direction of the Thesis/Project Advisor, the student completes a thesis/project proposal, instruments and IRB protocol (if applicable), and drafts literature review.

Letter grade only (A-F). A grade of "B" or better is required for successful completion.

**698C. Applied Social Work Project: Part I (3)**

Prerequisites: Completion of foundation coursework with a minimum cumulative GPA of 3.0, and advancement to candidacy.

This first course of a 2-semester sequence is a culminating experience incorporating analysis, synthesis, and evaluation of the MSW curriculum. Implementation of knowledge, skills, values, and practice methods related to all size systems is emphasized using a multicultural perspective.

Letter grade only (A-F). A grade of "B" or better is required for successful completion.

**699A. Thesis or Project II (3)**

Prerequisite: SW 698A.

Under the direction of the Thesis/Project Advisor, the student finalizes the literature review and completes the remaining chapters (typically, introduction, methodology, results, discussion and implications) of thesis/project.

Letter grade only (A-F). A grade of "B" or better is required for successful completion.

**699C. Applied Social Work Project: Part II (3)**

Prerequisites: SW 698C.

This second course of a 2-semester sequence is a continuation of a culminating experience incorporating analysis, synthesis, and evaluation of the curriculum. Implementation of knowledge, skills, values, and practice methods in all size systems is emphasized using a multicultural perspective.

Letter grade only (A-F). A grade of "B" or better is required for successful completion.



# SPEECH-LANGUAGE PATHOLOGY

College of Health and Human Services

**Department Chair:** Carolyn Conway Madding

**Department Office:** Language Arts Building (LAB), Room 102

Telephone / FAX: (562) 985-4594 / (562) 985-4584

**Clinic Office:** Language Arts Building (LAB) Room 112

**Telephone:** (562) 985-4583

**Faculty:** Betty McMicken, Carolyn Conway Madding, Geraldine P. Wallach, Jennifer Ostergren, Lei Sun, Pei-Fang Hung

**Advisors:**

Undergraduate: Pei-Fang Hung

Graduate: Jennifer Ostergren

**Clinic Coordinator:** Stephen Charlton

**Technician:** Rodney Pau

**Department Administrator:** Susan McNamara

## Career Possibilities

Speech-Language Pathologist • Speech-Language Pathology Assistant • Audiologist • Vocational Rehabilitation Counselor • Supervisor of Special Education (For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).)

## Introduction

The Speech-Language Pathology Department provides undergraduate coursework for students planning careers in speech-language pathology or audiology. Departmental majors may complete work leading to the Bachelor of Arts degree in Communicative Disorders (Speech-Language Pathology) and Master of Arts degree in Communicative Disorders (Speech-Language Pathology). Students who earn the Master's degree qualify for the Certificate of Clinical Competence in Speech-Language Pathology from the American Speech-Language-Hearing Association, the Speech-Language Pathology Services Credential from the California Commission for Teacher Credentialing, and the State of California Licensure in Speech-Language Pathology. Students pursuing the B.A. degree may qualify for State of California Licensure as a Speech-Language Pathology Assistant.

The department maintains a language, speech and hearing clinic to serve as a clinical and research laboratory on campus for both graduate and undergraduate students. Field placements are available in local hospitals, rehabilitation agencies, language/speech/hearing clinics, and public schools.

The Department of Speech-Language Pathology at CSULB is fully accredited, by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

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## Undergraduate Programs

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### Bachelor of Arts in Speech-Language Pathology (120 units)

#### Admission Under Impaction

Refer to the following website for additional impaction criteria: [http://www.csulb.edu/depts/enrollment/admissions/impacted\\_major.html](http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html).

#### Requirements

##### Lower Division:

Take all the following courses:

C D 261 Anatomy and Physiology of the Speech and Hearing Mechanism (3)  
Prerequisites: None

C D 271 Phonetics (3)  
Prerequisite: None

PSY 110 Introductory Statistics (or equivalent) (4)

\* C or better

Prerequisites: Eligible to take a General Education Mathematics course.

##### Upper Division:

Take all the following courses:

C D 329 Language Acquisition: From Birth Through Adolescence (3)  
Prerequisites: CD 261, CD 271.

C D 330 Speech and Hearing Science (3)  
Prerequisites: CD 261 and CD 271.

C D 373 Audiology I (3)  
Prerequisites: CD 261, CD 271.

C D 440 Aural Rehabilitation for Hearing Impaired (3)  
Prerequisites: CD 261, CD 271, CD 373.

C D 456 Speech Pathology I: Speech Sound Disorders (3)  
Prerequisites: CD 261, CD 271, CD 329, CD 460.

C D 460 Multicultural and Multilingual Issues in Speech-Language Pathology (3)  
Prerequisites: CD 261, CD 271, CD 329.

C D 464 Behavior Management and Counseling in Speech-Language Pathology (3)  
Prerequisites: CD 261, CD 271, CD 329.

C D 466 Speech Pathology II: Speech Motor Disorders (3)  
Prerequisites: CD 261, CD 271, CD 330, CD 476.

C D 472 Alternative and Augmentative Communication (3)  
Prerequisites: CD 261, CD 271, CD 329, CD 464.

C D 476 Speech Pathology III: Disorders of Voice/Oro-Facial Mechanism (3)  
Prerequisites: CD 261, CD 271, CD 330.

C D 477 Disorders of Swallowing (3)  
Prerequisites: CD 261, CD 271.

C D 481A Speech Pathology IV: Disorders of Language, Children (3)  
Prerequisites: CD 261, CD 271, CD 329, CD 456.

C D 481B Speech Pathology IV: Disorders of

Language, Neuropathologies (3)

Prerequisites: CD 261, CD 271, CD 329, CD 483.

C D 483 Assessment of Monolingual and Bilingual Clients (3)

Prerequisites: CD 261, CD 271, CD 329, CD 330, CD 460.

C D 485 Introduction to Autism Spectrum Disorders for Speech-Language Pathologists (3)

Prerequisites: CD 261, CD 271, CD 329, CD 464, CD 483.

C D 489 Clinical Observations and Professional Writing for Prospective Speech-Language Pathologists (3)

Prerequisites: CD 261, CD 271, CD 329, CD 456, CD 466, CD 476, CD 483.

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## Graduate Programs

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### Master of Arts in Speech-Language Pathology

#### Admission to the Graduate Program

Enrollment in 500/600 level courses in speech-language pathology is restricted to students who have been accepted to one of the graduate programs (traditional or cohort) of the department as unconditionally classified students. Students wishing to be admitted must complete the following procedures:

1. Students must meet the criteria for acceptance by the University as a graduate student;
2. Every student (new or continuing) must apply directly to the university through CSU Mentor. CSU Mentor applications are processed by the university online at <http://www.csumentor.edu/>. Original transcripts and GRE scores must be sent directly to the university. The department will access these transcripts electronically for department evaluation. All materials to the university must be received no later than January 15th;
3. Students applying to the traditional or special cohort M.A. program, then must apply to the Department of Speech-Language Pathology for admission to the graduate program using the department application form. This form must be filed with the graduate advisor by January 15th for admission in the subsequent fall semester. The following supportive materials must be filed with the department admission application:

A. Change of objective form available at department office (continuing CSULB students only);

B. One-page summary of relevant work, volunteer or research experience, with name and contact information for corroborating professional.

NOTE: Minimum Criteria 1) a GPA of 3.5 or better in the last 60 units of coursework, including Speech-Language Pathology coursework; and 2) confirmation of acceptable GPA obtained during the final senior semester.

Any course deficiencies will be determined by the department graduate committee after consultation with the student and the student's faculty advisor. Students applying to the graduate program in Speech-Language Pathology will have completed one of the two prerequisites listed in the next section prior to

enrollment in graduate classes.

#### Prerequisites

1. A bachelor's degree from an accredited institution with a major in communicative disorders, speech-language pathology, speech and hearing sciences, etc., or
2. A bachelor's degree from an accredited institution in a discipline other than Speech-Language Pathology. The applicant must have at least 30 units of course work in speech-language pathology/communicative disorders as a matriculated student in an undergraduate program or master's preparatory program from a university with accreditation from the American Speech-Language-Hearing Association (ASHA) before enrollment in the graduate program.

#### Advancement to Candidacy

In order to be advanced to candidacy for a Master's degree, a student must meet the following criteria:

1. enrollment in the semester or summer session in which advancement takes place;
2. satisfactory completion of C D 696 Research Methods: Applied and Basic (3) and three additional units;
3. satisfactory fulfillment of the CSULB Graduation Writing Assessment Requirement (GWAR). The GWAR must be fulfilled before the student is advanced to candidacy;
4. maintenance of a GPA of at least 3.0 in (a) all graduate work completed in Speech-Language Pathology, (b) all graduate work completed at CSULB, and (c) all graduate work transferred to meet graduation requirements with no grade below "C";
5. filing of the student Program for the Master of Arts Degree in Speech-Language Pathology after completion of items 2-5;
6. the Department's standard written program of graduate courses approved by the student's department advisor, the department graduate advisor, the department chairperson, and the College of Health and Human Services Associate Dean. (This form is known as the Advancement to Candidacy form.)

#### Requirements

Forty-one to Forty-Five (41-45) units of course work are required:

Take all of the following courses (31 units):

C D 661 Traumatic Brain Injury Across the Lifespan (3)  
Prerequisites: CD 696.

C D 662 Seminar in School-Age Language Disorders: Grade 1 through High School (3)  
Prerequisites: CD 456, CD 481A and CD 696.

C D 663 Seminar in Preschool Language Disorders: 0-5 Years (3)  
Prerequisites: CD 456 and CD 481A. Corequisite: CD 696.

C D 665 Seminar in Language Disorders in Adults (3)  
Prerequisites: CD 481B, CD 696.

C D 666 Seminar in Motor Speech Disorders and Fluency Disorders (3)  
Prerequisites: CD 466, CD 696.

C D 667 Seminar in Autism Spectrum Disorders (3)  
Prerequisite: CD 696.

C D 668 Seminar in Dysphagia (2)

Prerequisite: CD 477, CD 696

C D 669A Clinical Practice – Child-Adolescent Speech and Language Clinic (2)

Prerequisites: CD 489; Prerequisite/Corequisites: CD 663 and consent of instructor.

C D 669B Clinical Practice: Autism Spectrum Disorders (2)

Prerequisites: CD 667.

C D 669J Clinical Practice - Adult Speech and Language Clinic (2)

Prerequisites: CD 489; Prerequisite/Corequisites: CD 665 and consent of instructor.

C D 669L Clinical Practice with Culturally and Linguistically Diverse Clients (2)

Prerequisites: 1) Completion of all disorder-specific graduate seminars; 2) completion of a minimum of 3 core clinics (CD 669 A-J); 3) CD 483 and CD 489, or equivalent as approved by the instructor) and consent of instructor.

C D 696 Research Methods: Applied and Basic (3)

Prerequisites: PSY 110 or equivalent or consent of instructor.

Take one of the following options:

Option 1 (10 units):

C D 670 Medical Internship in Speech and Language Pathology (5)

Prerequisites: Complete with a grade of B or higher all graduate seminars for the Master's degree in CD and all graduate clinics applicable to specific field placement (as determined by Instructor), and Department consent.)

and

C D 686A Public School Practicum in Speech-Language Pathology (5)

Prerequisites: Pass the CBEST, complete with a grade of "B" or higher all graduate seminars and all but one graduate clinic required for the Master's degree in CD, and department consent.

Option 2 (7 units):

CD 669H Clinical Practice-Special Programs (2)

Prerequisites: At least one of the C D 669A through J courses. Specialized practice placement to obtain experience with speech, language, and hearing disorders. May be repeated to a maximum of 4 units. Letter grade only (A-F).

and

C D 670 Medical Internship in Speech and Language Pathology (5)

Prerequisites: Complete with a grade of B or higher all graduate seminars for the Master's degree in CD and all graduate clinics applicable to specific field placement (as determined by Instructor and Department consent.)

or

CD 686A Public School Practicum in Speech-Language Pathology (5)

Prerequisites: Pass the CBEST, complete with a grade of "B" or higher all graduate seminars and all but one graduate clinic required for the Master's degree in CD, and department consent.

Completion of one of the following options:

Option 1 Comprehensive Examination (3 Units):

C D 695 Directed Readings and a 2-unit elective (C D 575 recommended)

Prerequisites: Consent of instructor.

or

Option 2 Thesis (4 Units):

C D 698 Thesis

Prerequisites: Advancement to candidacy for master's degree.

Regulations governing the preparation and eligibility for the administration of comprehensive examination options are available in the Department Office. Departmental regulations concerning preparation of these are also available in the office.

Within the context of the C D 669L clinical course,

(1) The student will complete a minimum of 25 hours of clinical experience under appropriate supervision with a client determined to be of a language or dialect different from that of the student clinician.

(2) Students who are bilingual and biliterate in English and another language may be eligible for clinical practice using their non-English language, within the C D 669L practicum.

## Credential for Service in Public Education Speech-Language Pathology Services Credential (code 912)

Candidates must:

1. Complete the master's degree in speech-language pathology.

2. Complete the following courses:

EDSP 350 Education of Exceptional Individuals (3)

Prerequisites: None.

C D 575 Educational Topics in Speech-Language Pathology (2)

Prerequisites: None.

C D 483 Assessment of Monolingual and Bilingual Clients (3)

Prerequisites: C D 261, C D 271, C D 329, C D 330, C D 460.

C D 489 Management of Monolingual and Bilingual Clients (3)

Prerequisites: C D 261, C D 271, C D 329, C D 456, C D 466, C D 476, C D 483

C D 686A Public School Practicum in Speech-Language Pathology (5)

(in order to complete a minimum of 100 contact hours as a Speech-Language Specialist trainee in school setting)

Prerequisites: Pass the CBEST, complete with a grade of "B" or higher all graduate seminars and all but one graduate clinic required for the Master's degree in CD, and department consent.

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## Speech-Language Pathology Courses (C D)

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### LOWER DIVISION

#### 60. Selected Topics in Communicative Disorders (1)

Prerequisite: Consent of instructor.

Speech, language and hearing therapy to students enrolled in the University.

May be repeated to a maximum of 2 units. Topics announced in the *Schedule of Classes*.

#### 261. Anatomy and Physiology of the Speech and Hearing Mechanism (3)

Anatomical, physiological and neurological components of the speech and hearing mechanism. Designed for students planning to enter the clinical program in communicative disorders.

Letter grade only (A-F).

### **271. Phonetics (3)**

Phonetic basis of speech sounds and the various factors which influence pronunciation. Consideration is given to linguistic variations, regional dialects and standards.

Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours.)

## **UPPER DIVISION**

### **329. Language Acquisition: From Birth Through Adolescence (3)**

Prerequisite: CD 261, CD 271.

Introduction to language learning and its impact upon communication, socialization and literacy. Study of the form, content and use of language across time with an emphasis upon first language learning. Cognitive, cultural and emotional factors are considered.

Letter grade only (A-F). Not open for credit to students with credit in LING 329.

### **330. Speech and Hearing Science (3)**

Prerequisites: C D 261 and CD 271.

Course Description: Examination of the anatomical, physiological, psychological and acoustic aspects of speech. Through readings, discussions, videos, and interactive software the student is expected to become more aware and analytical of the instrumentation and scientific basis of production and perception of speech.

Letter grade only (A-F). (Lecture/discussion)

### **373. Audiology I (3)**

Prerequisite: CD 261, CD 271.

Introduction to audiology; acoustics, anatomy and physiology of the ear, pure-tone audiometry/masking, speech audiometry/ masking, principles of taking a case history, and report writing.

Letter grade only (A-F).

### **440. Aural Rehabilitation for the Hearing Impaired (3)**

Prerequisites: CD 261, CD 271, CD 373.

Nature of hearing impairment and impact on communicative function. Procedures for assessment and management of hearing loss, including amplification, counseling, and self-report scales. Focus is primarily adult clients but will include some information regarding children.

Letter grade only (A-F).

### **456. Speech Pathology I: Speech Sound Disorders (3)**

Prerequisites: CD 261, CD 271, CD 329, CD 460.

Etiology, assessment and treatment of disorders of phonology.

Letter grade only (A-F).

### **460. Multicultural and Multilingual Issues in Speech-Language Pathology (3)**

Prerequisite: CD 261, CD 271, CD 329.

Provides understanding of non-discriminatory assessment process for linguistically and culturally diverse clients referred for speech-language assessment. Includes information relative to cultural differences, use of interpreters/translators, biases of assessment, and differential diagnoses, such as language disorder versus language difference.

Letter grade only (A-F).

### **462. Speech-Language Pathology Assistant (SLPA) Practicum (3)**

Prerequisite: At least 33 units in communicative disorders completed with a grade of "B" or better.

For students interested in receiving a license to work as a SLPA. Weekly lecturers covering the laws, practices and ethics governing SLPAs and 70 hours of supervised undergraduate clinical practicum.

Credit/ no credit grading only. Course fee may be required.

### **464. Behavior Management and Counseling in Speech-Language Pathology (3)**

Prerequisites: CD 261, CD 271, CD 329

The course provides entry-level knowledge in behavior management and counseling skills for speech-language pathologists. Students study prevention, identification and intervention for behavior problems and apply counseling theories and techniques to daily practice with individuals with communication disorders.

Letter grade only (A-F).

### **466. Speech Pathology II: Speech Motor Disorders (3)**

Prerequisites: CD 261, CD 271, CD 330, CD 476.

Etiology, assessment, and therapy for disturbances of the speech motor system with emphasis on the neuroanatomical, neurophysiological, psychological, and linguistic variables correlated to aberrant behaviors.

Letter grade only (A-F).

### **472. Alternative and Augmentative Communication (3)**

Prerequisites: CD 261, CD 271, CD 329, CD 464.

An understanding of relevant topics in alternative and augmentative communication (AAC), assistive technology (AT); assessment and management of patients with severe communication impairments. Topics will include a variety of disabilities in both pediatric and adult patients, across varying communication environments.

Letter grade only (A-F).

### **476. Speech Pathology III: Disorders of Voice/Oro-facial Mechanism (3)**

Prerequisites: CD 261, CD 271, CD 330.

Processes of phonation and resonance and their application to etiology, diagnosis and therapy of functional and organic voice disorders, such as those arising from laryngeal pathology, vocal abuse, neurological impairment, auditory impairment and oro-facial abnormalities.

Letter grade only (A-F).

### **477. Disorders of Swallowing (3)**

Prerequisite: CD 261, CD 271.

Anatomy, physiology, and neuroanatomy of normal swallowing. Neurological and oncologic disorders which affect the swallow process. Evaluation of the patient with dysphagia will include clinical and instrumental analysis. Treatment plans based on history and evaluative results will be designed and examined.

Letter grade only (A-F).

### **481A. Speech Pathology IV: Disorders of Language (3)**

Prerequisites: CD 261, CD 271, CD 329, CD 456.

An analysis of the components of language and how each is involved with language disorders in children. Provide for the understanding and recognition of variables for the assessment and clinical management of such children.

Letter grade only (A-F).

### **481B. Speech Pathology IV: Disorders of Language Neuropathologies (3)**

Prerequisites: CD 261, CD 271, CD 329, CD 483.

Neurophysiological and neurolinguistic basis for language and speech disorders associated with central nervous system pathologies. Provides for the recognition and understanding of variables for the assessment and clinical management of such disorders.

Letter grade only (A-F).

### **483. Assessment of Monolingual and Bilingual Clients (3)**

Prerequisites: CD 261, CD 271, CD 329, CD 330, CD 460.

Principles underlying assessment procedures in speech language disorders for both monolingual and bilingual clients. Focus is on the cultural and linguistic variables affecting standardized and non-standardized assessment procedures.

Letter grade only (A-F). (Discussion 2 hours, laboratory 3 hours)

### **485. Introduction to Autism Spectrum Disorders for Speech-Language Pathologists (3)**

Prerequisites: CD 261, CD 271, CD 329, CD 464, CD 483.

Foundational areas prerequisite to understanding ASD including historical perspectives, diagnostic systems, theorized etiologies, and behavioral characteristics are differentiated. Components of early identification, social pragmatics of language acquisition, social-communication across age levels, and evidence-based assessment and interventions are examined.

Letter grade only (A-F).

### **489. Clinical Observations and Professional Writing for Prospective Speech-Language Pathologists (3)**

Prerequisites: CD 261, CD 271, CD 329, CD 456, CD 466, CD 476, CD 483.

The course provides entry-level knowledge in professional writing for prospective speech-language pathologists. Students develop preliminary clinical skills on generating goals and objectives, report writing and documentation. Students also fulfill the ASHA requirements for 25 clinical observation hours.

Letter grade only (A-F). (Discussion 2 hours, laboratory 3 hours)

### **491. Proctoring in Communicative Disorders (2-3)**

Students shall engage in peer teaching and examination scoring in undergraduate courses under the specific direction of the course instructor.

Open only to students who have achieved the grade of "A" in the course in which they are serving as proctor. May be repeated to a maximum of 6 units.

### **499. Directed Studies in Communicative Disorders (1-3)**

Prerequisite: Consent of instructor.

Independent study under supervision of a faculty member.

May be repeated to a maximum of 6 units. Not acceptable for graduate credit toward the master's degree.

## **GRADUATE LEVEL**

### **575. Educational Topics in Speech-Language Pathology (2)**

Review current issues, legislation and the role of SLPs in public school settings, including service delivery, school reform, accountability, and eligibility criteria. Special consideration given to collaboration and the use of content standards in goal setting and curriculum intervention.

Letter grade only (A-F).

### **590. Selected Topics in Communicative Disorders (1-3)**

Topics from the most recent developments and issues in speech-language pathology and audiology.

May be repeated to maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

### **661. Traumatic Brain Injury Across the Lifespan (3)**

Prerequisite: C D 696.

Neurophysiological basis for cognitive and communicative impairments associated with traumatic brain injury (TBI). Addresses rehabilitation research specific to TBI in children and adults.

Letter grade only (A-F).

### **662. Seminar in School-Age Language Disorders: Grade 1 through High School (3)**

Prerequisites: CD 456, CD 481A and CD 696.

Components of spoken and written communication and language are examined in children and adolescents with diverse, academically-based language learning disabilities. Major approaches to literacy and curricular-based intervention explored.

Letter grade only (A-F).

### **663. Seminar in Preschool Language Disorders: 0-5 Years (3)**

Prerequisites: CD 456 and CD 481A.

Corequisite: CD 696.

Components of communication, language, speech and pre- and emergent literacy are examined in preschool children with diverse problems across all aspects of language learning. Evidence-based techniques and approaches to language intervention are explored.

Letter grade only (A-F).

### **665. Seminar in Language Disorders in Adults (3)**

Prerequisites: C D 481B, CD 696.

Provides an understanding of neuropathological substrates of language disorders in adults resulting from brain damage. Provides for the recognition and assessment of the syndromology and clinical aspects of adult language disorders relative to current research.

Letter grade only (A-F).

### **666. Seminar in Motor Speech Disorders and Fluency Disorders (3)**

Prerequisites: C D 466, CD 696.

Discuss etiology, associated speech characteristics, assessment, and management of motor speech disorders, including apraxia of speech and dysarthria, and fluency disorders. Emphasis on differential diagnosis, clinical decision making process and application of evidence-based treatment.

Letter grade only (A-F).

### **667. Seminar in Autism Spectrum Disorders (3)**

Prerequisite: CD 696.

Historical perspectives, assessment procedures, intervention approaches, and parent training programs for management of clients diagnosed with Autism Spectrum Disorders.

Letter grade only (A-F).

### **668. Seminar in Dysphagia (2)**

Prerequisite(s): CD 477, CD 696

This course is designed to enhance the knowledge of swallowing disorders in all age groups that result from a variety of medical conditions. Students will learn the techniques for assessing swallowing function and rehabilitation treatment approaches for dysphagia.

Letter grade only (A-F).

### **669A. Clinical Practice – Child-Adolescent Speech and Language Clinic (2)**

Prerequisites: C D 489.

Prerequisite/Corequisites: C D 663 and consent of instructor.

CD 669A is designed to bridge the gap between theory and practice through hands-on experience. Under supervision, students will conduct standardized and informal assessment, generate goals and objectives, develop and implement treatment plan, and write professional assessment and progress reports. Student conducts assessment of phonological disorders and

Letter grade only (A-F). Course fee may be required.

**669B. Clinical Practice – Autism Spectrum Disorders (2)**

Prerequisite: C D 667.

Provides students with the opportunity to gain hands-on experience in assessing and managing clients diagnosed with Autism Spectrum Disorders. Letter grade only (A-F).

(2 hrs lecture, 2 hrs clinic) Course fee may be required.

**669D. Clinical Practice with Voice and Oro-facial Mechanism Disorders (2)**

Prerequisites: C D 489. Consent of instructor.

Student conducts therapy sessions under supervision for persons with functional and/or organic voice disorders. Practicum includes initial interviews, diagnostics, therapy program planning, counseling and report writing.

Letter grade only (A-F). Course fee may be required.

**669H. Clinical Practice-Special Programs (2)**

Prerequisites: At least one of the C D 669A through J courses.

Specialized practice placement to obtain experience with speech, language, and hearing disorders.

May be repeated to a maximum of 4 units. Letter grade only (A-F). Course fee may be required.

**669J. Clinical Practice - Adult Speech and Language Clinic (2)**

Prerequisites: C D 489.

Prerequisite/Corequisites: C D 665 and consent of instructor.

CD 669J is for students to gain hands-on experience while working with individuals with acquired speech-language and/or cognitive-communication disorders resulting from various neurogenic disorders. Practicum includes assessment, treatment planning, report writing, and application of research findings to clinical process.

Letter grade only (A-F). Course fee may be required.

**669L. Clinical Practice with Culturally and Linguistically Diverse Clients (2)**

Prerequisites:

- 1) Completion of all disorder-specific graduate seminars;
- 2) completion of a minimum of 3 core clinics (C D 669 A-J);
- 3) C D 483 and CD 489, or equivalent as approved by the instructor) and consent of instructor.

Assessment/management of speech-language disorders in clients whose native language is different than that of the clinician. Training of bilingual interpreters.

Minimum 25 clock hours required. Letter grade only (A-F). Course fee may be required.

**670. Medical Internship in Speech and Language Pathology (5)**

Prerequisites: Complete with a grade of "B" or higher all graduate seminars for the Master's degree in CD and all graduate clinics applicable to specific field placement (as determined by Instructor), and Department consent.)

Advanced clinical supervised practice with speech and language disordered persons in either a hospital, rehabilitation agency or speech and language center.

Letter grade only (A-F). Course fee may be required.

**680. Internship in Audiology (5)**

Prerequisites: C D 669A or CD 669B or CD 669C or consent of the instructor.

Advanced clinical practice in audiology with hearing impaired persons in a community facility.

Letter grade only (A-F). Course fee may be required.

**686A. Public School Practicum in Speech-Language Pathology (5)**

Prerequisites: Pass the CBEST, complete with a grade of "B" or higher all graduate seminars and all but one graduate clinic required for the Master's degree in CD, and department consent

Speech-Language Pathology Services Credential (SLPSC) candidates participate in supervised clinical practicum in an off-campus itinerant speech and language setting(s) for the equivalent of one semester earning 5 units of field study. (Required only for SLPSC credential.)

Enrollment by application to the Communicative Disorders Department only. Credit/No Credit grading only. Course fee may be required. (Fieldwork)

**695. Directed Readings (1-3)**

Prerequisite: Consent of instructor.

Readings in communication sciences/disorders.

Required of all candidates for the master's degree not electing the thesis option. Under special circumstances, may be repeated to a maximum of 6 units. Letter grade only (A-F).

**696. Research Methods: Applied and Basic (3)**

Prerequisite: PSY 110 or equivalent or consent of instructor.

Professional issues related to research and clinical settings. Application of scientific method, experimental design (group and single subject) and related statistical methods (parametric and non-parametric). Evaluate literature in the field.

(Lecture 3 hours.) Letter grade only (A-F).

**697. Directed Research (1-3)**

Prerequisite/Corequisites: C D 696 and consent of instructor.

Independent research under supervision of a faculty member.

Letter grade only (A-F).

**698. Thesis (1-4)**

Prerequisites: Advancement to candidacy for master's degree.

Preparation, completion and submission of an acceptable thesis in partial fulfillment of the requirements for the master's degree.

# STUDENT RECREATION AND LEADERSHIP

College of Health and Human Services  
Department of Kinesiology

**Director:** Rita Hayes

**Office:** PE 1, Rm 15  
Telephone: 562-985-7351  
Website: [www.csulb.edu/recsports](http://www.csulb.edu/recsports)

**Faculty:**

Rita Hayes, Director, Club Sports and Recreation  
Ken Kelly, Director, Student Transition and Retention Services  
Valerie Bordeaux, Director, University Outreach and School Relations  
Betty Schmicker-Black, Career Development Center

## Introduction

The Kinesiology Department and the Division of Student Services oversee a broad range of educational and student support service programs to assist students in achieving their academic goals and enhancing their personal, intellectual and social development. The division provides oversight and direction for more than 35 university programs and service areas that support students outside the classroom.

Through cooperation between the Department of Kinesiology, and the Division of Student Services, Student Recreation and Leadership courses are offered to students participating in intramural sports competition, club sports and student leadership.

Students may participate in any of the club sports activities which are partially funded by the Associated Students, Inc., and administered through the Club Sports and Recreation Office. Sports are:

Aikido	Alpine Ski-Snboard	Archery
Baseball	Bellydancing	Bowling
Boxing	Breakdancing	Cheer
Cinematic Martial Arts	Crew	Cycling
Dragon Boat Racing	Field Hockey	Fishing
Florica Mexica	Folklorica	Gymnastics
Ice Hockey	Jiu Jitsu	Juggling
Kendo	Kung Fu	Lacrosse
Longboard	Paintball	Rollerhockey
Rugby	Running	Sailing
Salsa	Shotokan Karate	Soccer
Social Dance	Surfing	Sword Club
Table Tennis	Tennis	Triathlon
Ultimate Frisbee	Volleyball	Water Polo
Waterski/Wake-board	Wheelchair Sports	Wrestling
Yoga/Wellness		

Students registering for SRL 210 must attend regular practices and competitions, assist the club with fund raisers and adhere to club rules and regulations. For information on practice times and meeting locations, contact the individual club coach or president. Visit the Club Sports and Recreation website ([www.csulb.edu/recsports](http://www.csulb.edu/recsports)) or visit the Recreational Sports Office (KIN Building, Rm 20A). In addition to participation in club sport activities, students may receive credit for leadership training and service performed with some university-sponsored programs by registering in SRL 210L.

Students may apply no more than four (4) semester units of lower-division SRL courses toward the baccalaureate degree within the 20-unit maximum on activity units.

The California State University is committed to providing equal opportunities to men and women in all campus programs, including intercollegiate athletics. For a listing of Intercollegiate Athletic teams, visit [longbeachstate.com](http://longbeachstate.com).

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## Courses (SRL)

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### 200. Intramural Activities (1)

Repeatable credits include previous credits from SAR 200.

### 210 A-W. Sport Clubs/Leadership (1)

Prerequisite: Participation/competition in sport clubs/leadership. Enrollment subject to consent of instructor or Director of Club Sports and Recreation.

Athletes enrolled who fail to qualify for squad must withdraw from the course. It is the student's responsibility to contact teams regarding practice times and eligibility requirements.

May be repeated to a maximum of 4 units, including previously earned credits from SAR 210. Credit/No Credit grading only.

- A. Archery
- B. Crew
- D. Ice Hockey
- E. Martial Arts
- F. Rugby
- G. Sailing
- H. Ski and Snowboard
- I. Soccer
- J. Water Ski
- L. Leadership
- N. Lacrosse
- O. Wakeboard and Waterski
- P. Paintball
- R. Roller Hockey
- S. Cultural Dances
- T. Ultimate Frisbee
- U. Volleyball
- V. Running
- W. Bowling