



Math Education Program

*Signature Assignment for EDME 500
Literature Review*

Student Learning Outcome(s) Assessed:

SLO #1: Describe contemporary issues in mathematics education addressed in NCTM and California principles and standards.

Description of the Signature Assignment

Candidates write a literature review in mathematics education. The purpose of the literature review is to understand contemporary issues in mathematics education addressed in NCTM and California principles and standards.

Directions for Students

- I. Introduction
 - A. Set the stage for your topic. Explain the rationale, background, context, relationships to other educational areas, importance, the place of your topic, etc.
 - B. Statement of the problem: Give a definitive statement of the exact problem you are researching for this paper. Define the exact question(s) you will answer with this paper.
- II. Review of the Literature

Synthesize and analyze the state of the research and literature pertaining to the topic you have chosen: what has been studied, what we think we know at present, and future lines of inquiry. Where is the research and literature abundant? What do they tell us? What they do not tell us? Consider the major issues, controversies, programs, and contributors: What do authorities in the field agree upon? Who are the major contributors? What are the major controversies? (For some topics, a review of the history of the topic is appropriate.)

Scoring Rubric:

Criteria	4 = Exceeds expectations	3 = Meets expectations	2 = Meets some expectations	1 = Does not meet expectations
Purpose	The writer's central purpose or argument is readily apparent to the reader	The writing has a clear purpose or argument, but may sometimes digress from it	The central purpose or argument is not consistently clear throughout the paper	The purpose or argument is generally unclear
Content	Balanced presentation of relevant and legitimate information that clearly supports a central purpose or argument and shows a thoughtful, in-depth analysis of a significant topic. Reader gains important insights	Information provides reasonable support for a central purpose or argument and displays evidence of a basic analysis of a significant topic. Reader gains some insights	Information supports a central purpose or argument at times. Analysis is basic or general. Reader gains few insights	Central purpose or argument is not clearly identified. Analysis is vague or not evident. Reader is confused or may be misinformed
Tone	The tone is consistently professional and appropriate for an academic research paper	The tone is generally professional. For the most part, it is appropriate for an academic research paper	The tone is not consistently professional or appropriate for an academic research paper	The tone is unprofessional. It is not appropriate for an academic research paper
Sentence Structure and Grammar	Sentences are well-phrased and varied in length and structure. They flow smoothly from one to another. The writing is free or almost free of errors	Sentences are well-phrased and there is some variety in length and structure. They flow from sentence to sentence is generally smooth. There are occasional errors	Some sentences are awkwardly constructed so that the reader is occasionally distracted. There are many errors that distract the reader	Errors in sentence structure are frequent enough to be a major distraction to the reader. Errors obscure the meaning
APA Use of most Recent Edition	APA format is used accurately and consistently in the paper and on the "References" page	APA format is used with minor errors	There are frequent errors in APA format	Format of the document is not recognizable as APA
Total				

Evaluation of EDME 500 Signature Assignment

Candidate Name _____

Criteria	Score				
Purpose	1	2	3	4	
Content	1	2	3	4	
Tone	1	2	3	4	
Sentence structure and grammar	1	2	3	4	
Use of most Recent APA Edition	1	2	3	4	

Legend

Total Points	College of Education Assessment Scale Equivalent
16-20	4 (Exceeds Expectations)
11-15	3 (Meets Expectations)
6-10	2 (Meets Some Expectations)
1-5	1 (Does Not Meet Expectations)
0	0 (Can't Score)