

Philosophy of Biology

PHIL 68I. Spring 2012. Klein

Unless otherwise noted, all Sober chapters can be found in (Sober 1993/1999); all other articles can be found on our Beachboard site, available as a PDF download.

January 24: Organizational Meeting

January 31: Biology Basics, Creationism History

Sober, Ch. 1: "What Is Evolutionary Theory?"

(Ruse 2008): read through section 4

ASSIGNMENT: In-class test on Sober chapter

February 7: Creationism

Sober, Ch. 2: "Creationism" [Steven]

(Ruse 2008): finish [David S. + paper]

February 14: Fitness

Sober, Ch. 3: "Fitness" [Ronnie]

(Mills and Beatty 1979) [Folk]

ASSIGNMENT: Expository Writing, Mills and Beatty

February 21: Fitness, Units of Selection

(Lewontin 1983/1985) [David Y. + paper]

Sober, Ch. 4: "The Units of Selection Problem" [Steven]

February 28: Units of Selection

(Lewontin 1970) [Philip + paper]

(Hull 1980) [Neil]

ASSIGNMENT: Expository Writing, Hull

March 6: Adaptationism

(Gould and Lewontin 1979) [Victor]

Sober, Ch. 5: "Adaptationism" [Calvin]

March 13: Adaptationism

(Mayr 1983) [Ryan]

(Lloyd 1993) [Ken]

ASSIGNMENT: Expository Writing, Lloyd

March 21: Systematics

Sober, Ch. 6 [Joel]

(Hull 1978) [Curtis]

ASSIGNMENT: First Essay Due

March 27: Spring Break

April 3: Systematics, Race

(Boyd 1999) [Josh]

(Appiah 2006) [Ronnie]

ASSIGNMENT: Analytic Writing, Lloyd

April 10: Sociobiology

(Wilson 1975, Ch. 27) [Victor]

Sober, Ch. 7: "Sociobiology" [Joel]

April 17: Evolutionary Ethics

Excerpts from Spencer and Huxley [Calvin]

(Ruse and Wilson 2006) [Kevin]

ASSIGNMENT: Analytic Writing, Ruse and Wilson

April 24: Evolutionary Psychology

(Tooby and Cosmides 2006) [Ryan]

(Buller 2006) [Curtis]

May 1: Evolutionary Psychology

Excerpts from (Thornhill and Palmer 2000) [Neil]

(Lloyd 2001) [Joanne + paper]

ASSIGNMENT: Analytic Writing, Lloyd

May 8: Darwin and Philosophy

(Dewey 1910) [Ken]

Appiah, Kwame Anthony (2006), "Why There Are No Human Races", in Elliott Sober (ed.), *Conceptual Issues in Evolutionary Biology*, Cambridge: MIT Press, 455-475.

Boyd, Richard (1999), "Homeostasis, Species, and Higher Taxa", in Robert A. Wilson (ed.), *Species: New Interdisciplinary Essays*, Cambridge: MIT Press, 141-185.

Buller, David J. (2006), "Evolutionary Psychology: A Critique", in Elliott Sober (ed.), *Conceptual Issues in Evolutionary Biology*, Cambridge: MIT Press, 197-214.

Dewey, John (1910), "The Influence of Darwinism on Philosophy", in, *The Influence of Darwin on Philosophy, and Other Essays in Contemporary Thought*, New York: Henry Holt, 1-19.

Gould, Stephen J., and Richard C. Lewontin (1979), "The Spandrels of San Marco and the Panglossian Paradigm: A Critique of the Adaptationist Programme", *Proceedings of the Royal Society of London, Series B* 205 (1161):581-598.

Hull, David L. (1978), "A Matter of Individuality", *Philosophy of Science* 45 (3):335-360.

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- Tooby, John, and Leda Cosmides (2006), "Toward Mapping the Evolved Functional Organization of Mind and Brain", in Elliott Sober (ed.), *Conceptual Issues in Evolutionary Biology*, Cambridge: MIT Press, 175-195.
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