

HPS 2649 Science and Values Fall 1902

Peter Machamer & Sandra Mitchell

(SM and PM)

29 August Case: S. J. Gould, *The Mismeasure of Man* pp.82-112; Review of Gould's book by J. P. Rushton (from *Personality and Individual Differences*; 1966)

Is science value free? Kinds of values; the categorization problem

(PM)

5 September The role and function of values; a simple decision model
Hugh Lacey, *Is Science Value free*, Chapters 1-4

(SM)

19 Impenetrability Thesis
C.G. Hempel, "Science and Human Values"
Larry Laudan, *Science and Values*, Chapters 1 -2.
Philip Kitcher. *Science, Truth and Democracy*, Chapters 1 -3

(PM)

20 Kitcher, Chapters 4-6
Risk analysis

(SM)

26 Dupre', *Human Nature and the Limits of Science*, 1-4
real evo-psychology case

3 October P-K VI Science and Values symposium (All Day)

10 discussions of P-K presentations.

(PM)

17 Pervasive thesis, critical
Helen Longino. *The Fate of Knowledge*, Chapters One -Four
Thomas Kuhn, "Objectivity, Values and Theory Choice" in Kuhn, *The Essential Tension*

(SM)

24 PM & SM in D.C.; find make-up

_____ Make-up day, Pervasive, positive thesis? Longino, Chapters Five -Nine
Background; Habermas
Popper

(PM)

31 Case: Anne Fausto-Sterling and the critique of Gendered Bi-Lateral Brain
Feminist critiques

7 November PSA (find make-up date)

(SM)

_____ Make-up date: Statistical Errors in Ecology, & Conservation Biology or Value
Based Science

(PM)

14 Good vs. Bad Science; values in Good science, Lacey, Chapters 5-6

(SM)

21 Values in Science and Policy, Lacey, Chapters 8-9

28 Thanksgiving

(SM and PM)

5 December The Hierarchical View of Values in Science

Seminar Requirements:

1. One seminar presentation and critique of a philosophical argument in one of the readings. Critique should be presented in 20 minutes; with written outline or text given out by Tuesday of the week of presentation.
2. One 15 minutes critique of one of the papers at P-K VI; to be presented on 10 October
3. One case study paper, due at end of term. Maximum 12 pages.