

GENDER AND SCIENCE, TENTATIVE SYLLABUS FALL 2004

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Required texts: Kuhn: The Structure of Scientific Revolutions.
Lederman and Bartsch: The Gender and Science Reader

Course web site: www.cis.vt.edu/HST4304

WEEK	TOPIC	READING	LOCATION
1	Organization Introduction to Feminist Science Studies:	Schiebinger, History and Philosophy Hubbard: Science in Context from <i>Politics of Women's Biology</i>	Website
2	The Scientific Revolution	AACU "Feminist Science Studies" Shapin: Intro from <i>The Scientific Revolution</i>	Handout/website Website
	The Scientific Revolution Feminist Analyses of the Origins of Science Bacon	Reflections on Gender and Science, Ch. 3 Merchant, Death of Nature Keller, Reflections on Gender and Science, Ch. 2	Website Text 8 Website
3	Descartes	Keller, Secrets of Life, Secrets of Death, Ch. 3. Bordo, Flight to Objectivity	Text 10 Text 9
	The "Kuhnian" Revolution	Kuhn Ch. 2-4.	
4		Kuhn Ch. 5-7. Kuhn, Ch. 8-10.	
5	Sociology of Science	Latour, Science in Action, Ch. 1.	
	Critiques of Practice	Longino, Science as Social Knowledge, Ch.8. Longino and Doell, Body, Bias and Behavior, Harding's rebuttal. Martin, Egg and Sperm	Website Text 20
6	Epistemology	Haraway, Biopolitics, Rosser, Feminist Methodologies.	Text 13
		Harding, Whose Science, Whose Knowledge Haraway, Situated Knowledges. Bartsch et al.	Text 14 Text 15
7		Harding Women's Standpoints on Nature. Heisenberg.	Website Text 18
8	Critiques of the Feminist Critique	Gross,	
9	Global Feminist Epistemologies	Rosser "Post-colonial Feminist Critiques"	Website
		Duran, "Knowledges/Foci	Website
10	"Mining" Scientific Knowledge	Goonatilake, Ch. 2, Harding, MultiCh. 4,	Website Website
	Non-western Science	Needham, "Chinese Scientific Traditions"	Website
11	Western Scientific Imperialism	Shiva, "Democratizing Biology"	Text 33
	Genetics	Shiva, Ch. 1, "The Earth Family vs. the Genetic Mine" Other handouts	Website
12	Agriculture	Shiva, Stolen Harvest Ch. 1, 3, 4	Website
	Indigenous Knowledges	Shiva, "Biodiversity and People's Knowledges"	Website

13-15

Student Presentations

15-17

Feminist Pedagogy
for the Sciences

Maberry: Reproductive and Resistant Pedagogies
hooks: Pedagogy and Political Commitment

Website

Website

Rosser: Transforming the Biology
Curriculum

Website

Kyle, Political Philosophy of Education

Website

3.6	Critique of the Feminist Critique	Gross.	
3.8	The Future	Lederman 1 and 2.	
3.10	No Class Meeting TURN IN MIDTERM BY 5pm SPRING BREAK		
3.20			Pick presentation topics and dates
3.22		Biological Determinism	Fausto-Sterling, Myths of Gender. Kaplan and Rogers, Race and Gender Fallacies.
3.24			Hubbard and Wald, The Gene Myth.
3.27		Non-Western Science	Needham, Poverties and Truiumphs of the ChineseScientific Tradition.
3.29		Women in Science on Feminist Critiques	Kerr Toward a Feminist Natural Science: Linking Theory and Practice.
3.31		Feminist Pedagogy for the Sciences	
4.3		Reproductive Technologies	Corea How the New Reproductive Technologies will Affect all Women.
4.5		Feminist Critique of Mathematics	Henrion, Women in Mathematics, Ch. 8.
4.7		Critique of Physics	Cyborgs & Citadels, Traweek article.
4.10-5.1		Presentations	
5.3		Wrap-up	