

History of Science 200
Methods of Research in the History of Science
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Fall 2002

two copies in box
in back:

Course Outline

Week 1
17 Sept Identifying the History of Science

Week 2
24 Sept Historical Objectivity/The Objective of History?
Peter Novick, *That Noble Dream: The Objectivity Question and the American Historical Profession* (Cambridge, UK: Cambridge University Press, 1988).

Part I, Objectivity Enthroned
Chaps. 1-4

Part II, Objectivity Besieged
Chap. 8, Divergence and Dissent
Chap. 9, The Battle Joined

Part IV, Objectivity in Crisis
Chap. 13, The Collapse of Comity
Chap. 15, The Center Does Not Hold

Peter Galison, "Judgement Against Objectivity," in Peter Galison and Caroline A. Jones (eds.), *Picturing Science Producing Art* (New York and London: Routledge, 1998), pp. 327-359.

present next week
Sophia
Extract key questions

Cambridge

Week 3
1 Oct Scientific Knowledge - Incommensurability
Thomas Kuhn, *The Structure of Scientific Revolutions* (Chicago: University of Chicago Press, 1962 [1970]).
Thomas Kuhn, "The Trouble With the Historical Philosophy of Science," *The Road Since Structure* (Chicago: University of Chicago Press, 2000).

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Week 4
8 Oct Shaping Texts in the History of Science: The Social in Science

David Bloor, *Knowledge and Social Imagery*, London, 1976.

Chapter One, "The Strong Programme in the Sociology of Knowledge"

Chapter Two, "Sense Experience, Materialism, and Truth"

Chapter Three, "Sources of Resistance to the Strong Programme"

Chapter Seven, "Where Do We Stand?"

THIS WEEK
EXTRA

Steven Shapin and Simon Schaffer, *Leviathan and the Air-Pump: Hobbes, Boyle and the Experimental Life* (Princeton: Princeton University Press, 1985).

THIS WEEK
- how is the argument from materiality - structure - debr (G)

Week 5
15 Oct Shaping Texts: Cultural Construction

Barbara Duden, *The Woman Beneath the Skin. A Doctor's Patients in Eighteenth*

RA564.85 D84/3

Century Germany, 1991.

Gianna Pomata, *Contracting a Cure: Patients, Healers, and the Law in Early Modern Bologna*, 1994(8), Chapter Five, "The Medical System as Seen by the Sick."

Law School
RA483
ILS
P6613

Week 6
22 Oct

Institutions, Experiments, and Moral Economies

Ken Alder, "A Revolution to Measure: The Political Economy of the Metric System in France," in M. Norton Wise (ed.), *The Values of Precision*, (Princeton: Princeton University Press, 1995), pp. 34-71.

30p.

QC39.V26

4sp

Mario Biagioli, "Etiquette, Interdependence, and Sociability in Seventeenth-Century Science," *Critical Inquiry* 22 (1996): 193-238.

P142.14
*D. Wright, 2 with V

21p.

Lorraine Daston, "The Moral Economy of Science," *Osiris* 10 (1995): 3-24.

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2sp

Robert E. Kohler, "Moral Economy, Material Culture, and Community in *Drosophila* Genetics," in Biagioli, *The Science Studies Reader*, (New York and London: Routledge 1988), pp. 485-510.

2sp

Steve Shapin, "The House of Experiment in Seventeenth-Century England," in Biagioli, *The Science Studies Reader*, (New York and London: Routledge 1988), pp. 485-510.

Lambert

Week 7
29 Oct

Ethnography, Anthropology, and the Study of the Sciences

Paul Rabinow, *Making PCR: A Story of Biotechnology*, (Chicago University Press, 1996).

QP606.D4/PK33

Week 8
5 Nov

Latourization of Pasteur

Bruno Latour, *The Pasteurization of France* (Cambridge MA: Harvard University Press, 1993). Read Part Two, "Irreductions," first. Then read Part One, "War and Peace of Microbes."

QW 4.3 L359m

The Brain of Einstein.

For Monday: • Biagioli article
• 100+ pages Daston/Park

Tuesday: 200 pages of Rabinow