

History 200 O the Historiography of Science Tuesdays 10 to 1 in Bunche 5288

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Our aim is to explore philosophical and theoretical issues as well as historiographical ones, and we will begin with the philosophers and historians grappling with issues like truth and objectivity. A 15 pp. philosophical or historiographical paper will be due by December 15. Classroom participation is expected.

Week 1 reading from ISIS (available on line at class web site) Peter Galison, “Ten Problems in the History and Philosophy of Science,”

<http://www.journals.uchicago.edu/doi/full/10.1086/587536>

Golinski *Making Natural Knowledge* (1998)

Philip Kitcher, *The Advancement of Science* (1993) excerpts to be announced

Miriam Solomon, *Social Empiricism*, 2007

Week 2 M. Norton Wise, *Growing Explanations* (2004)

Week 3 The Scientific Revolution

James Jacob, *The Scientific Revolution*; Rob Iliffe, “Philosophy of Science,” from Roy Porter, ed. *The Cambridge History of Science* (2003) and available on our class web site.

Deborah E. Harkness, *The Jewel House. Elizabethan London and the Scientific Revolution* (2007) “Coda: Toward an Ethnography of Early Modern Science” on our website

(Popular history of science writing) excerpts from William T. Vollmann, *Uncentering the Earth : Copernicus and The revolutions of the heavenly spheres* Norton, c2006.

Week 4 Questioning the Scientific Revolution as a Concept

S. Shapin, *The Scientific Revolution* 1996, pp. 1-64. (Online at our website)

Shapin and Schaffer, *Leviathan and the Air Pump, chapters*

Margaret Osler, *Rethinking the scientific revolution* (2000) essays by Dobbs and Westfall.

Daston and Park, introduction to *The Cambridge History of Early Modern Science* (2007)

Week 5 Artisans, Tinkerers, Doers

Pamela Smith, *The body of the artisan : art and experience in the scientific revolution* Chicago : University of Chicago Press, 2004.

William R. Newman *Atoms and alchemy : chymistry and the experimental origins of the scientific revolution* (2006).

Week 6 The Knowledge Economy

Jack A. Goldstone, *Why Europe? The Rise of the West in World History, 1500-1800*, to be published in the fall; chapters 7 and 8 to be provided online.

Joel Mokyr, *The Enlightened Economy* due out 2009 (excerpts to be provided)

Margaret Jacob, *Scientific Culture and the Making of the Industrial West* (1997)

Week 7 Science and Empire

James Delbourgo and Nicholas Dew, eds. *Science and empire in the Atlantic world* (2008) essays to be provided

Martin Daunton, *The Organization of Knowledge in Victorian Britain* (selected essays)

Week 8 Reactions to Science

Thomas Howard, *Protestant Theology and the Making of the Modern German University* (2006), chapter on “Theology, *Wissenschaft*, and the Founding of the University of Berlin.” on the web site

Friedman and Nordmann, *The Kantian Legacy in Nineteenth Century Science* (2006) selected essays to be put on the web

A-J Zwierlein, ed., *Unmapped Countries: Biological Visions in Nineteenth Century Literature and Art* (2005) selected essays

Week 9 Class report on state of Darwin and Darwinianism in British and American

historiography. Various material to be presented by each student

Week 10 students' choices: books or articles you have always wanted to read and haven't, or ones that you want to share with the class for our reading