

**Science Studies Core Seminar COGR 225B, HIGR 239, SOCG 255B**  
**Winter 2013**  
**Tuesdays, 9:30 - 12:20, H&SS 3027**

**Professors:**

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Thursdays 1-2 p.m. H&SS 7023  
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This seminar will explore some of the roles scientific evidence plays in society. It is the second installment of the three-part core sequence required for all students in the Science Studies Program.

**Preliminary book List:**

Alexander Welsh. Strong Representations: Narrative and Circumstantial Evidence in England (Johns Hopkins UP, 1992)

Nancy Cartwright and Jeremy Hardie. Evidence-Based Policy. A Practical Guide to Doing It Better. (Oxford UP, 2012)

Peter Howlett and Mary S. Morgan (Editors). How Well Do Facts Travel? The Dissemination of Reliable Knowledge (Cambridge UP, 2011)

Stephen Fienberg. The Evolving Role of Statistical Assessments as Evidence in the Courts (Springer-Verlag, 1988)

Hasok Chang. Is Water H<sub>2</sub>O? Evidence, Realism and Pluralism (Springer, 2012)

Lorraine Daston and Peter Galison. Objectivity (Zone Books, 2007)

More readings will be announced later. The readings will be available via SSH library electronic reserves (<http://reserves.ucsd.edu/eres/default.aspx>) or placed on physical reserve at SSH or will be available on the Web-CT site for the course.

**Assessment**

Two review papers: 25% each

Final paper: 40%

Class discussion and presentation: 10%

**Presentation and Coursework**

A group of students will lead each session. They will :

- a. Prepare a set of questions before the session and distribute it by Monday.
- b. Present short reviews in class and lead discussion
- c. Write an essay (circa 5 pp) about that Session's topic and enter it the Session after.

Each student should present two times during the quarter and submit two review papers.

**Attendance policy.**

Attendance at seminars is mandatory.

If you miss more than two seminars during the term, without prior permission or valid reason (e.g. medical or family emergency) you may fail the course.

**Session 1 8 January Introduction**

Reading: Lorraine Daston and Peter Galison. 'The Image of Objectivity',  
Representations (Autumn, 1992), 81-128

Presenters:

**Session 2 Donna Haraway's workshop**

Students will attend the SSP workshop with Donna Haraway. Those unable to attend should write a 3 page summary of one of her works. (To be discussed.)

**Session 3 22 January Representation**

Reading: Alexander Welsh. Strong Representations: Narrative and Circumstantial Evidence in England

Presenters:

**Session 4 29 January Production**

Reading: Hasok Chang. Is Water H<sub>2</sub>O? Evidence, Realism and Pluralism

Presenters:

**Session 5 5 February Travel**

**Reading:** Peter Howlett and Mary S. Morgan (Editors). How Well Do Facts Travel? The Dissemination of Reliable Knowledge

Presenters:

**Session 6 12 February Policy**

Reading: Nancy Cartwright and Jeremy Hardie. Evidence-Based Policy. A Practical Guide to Doing It Better

Presenters:

**Session 7 19 February Economy**

F MacKenzie, and L. Siu Muniesa .(Editors). Do Economists Make Markets? On the Performativity of Economics

**Session 8 28 February Statistics**

Tal Golan. "Epidemiology, Tort, and the Relations between Science and Law in the Twentieth-Century American Courtroom," in Jessica Riskin and Mario Biagioli (Editors).

Nature Engaged: Science in Practice from the Renaissance to the Present (Palgrave MacMillan, 2012) 163-183

Stephen Fienberg. The Evolving Role of Statistical Assessments as Evidence in the Courts, excerpts

Presenters:

**Session 9 5 March Catch up**

**Session 10 12 March To be decided**

**Class list:**

Carvalho, Tito	<a href="mailto:tcarvalh@ucsd.edu">tcarvalh@ucsd.edu</a>
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