Modern society has become increasingly dependent on science and technology. Exploring various case studies, from expert scientific evidence such as fingerprints and lie-detectors, to technological feats such as biotech and the internet, we will examine how science, technology and law interact to maintain progress, rationality and social order in modern society.

**Time and location:** TuTh 2-3:30 p.m.  WLH 2205

**Professor Golan Office hours:** Th 1-2 p.m., or by appointment.

**Professor Golan Office** H&SS bldg room 4044

**Teaching Assistant:** Liz Petrick  erpetric@ucsd.edu  Office Hours: TBA

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**Week 1 Introduction**

**Apr 3 Introduction**

Goldberg, Steven, *Culture Clash: Law and Science in America*, 1-25.

**Apr 5 History**


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**Week 2 Scientific Evidence**

**Apr 10 Differentiating between Good and Bad Science**


US Supreme Court Opinion in Daubert v. Merrell Dow Pharmaceuticals, Inc.

**Apr 12 What Makes Evidence Scientific? The case of Fingerprints**


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**Week 3 Visual Evidence**

**Apr 17 What Makes Evidence Unscientific? The case of the Lie-Detector**


**Apr 19 Photographs: what you see is what you get?**

Jennifer Mnookin, The Image of Truth

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**Week 4 Medicine and law**

**Apr 24 Imaging technologies**


**Apr 26 Insanity Defense + Malpractice**

Reading TBA (check on the website)
**Week 5 Regulation**  
May 1 Questions of life and death  
Jasanoff, Science at the Bar, 163-203  
May 3 Regulation:  
Sheila Jasanoff, Science at the Bar, pp 69-92

**Week 6 Mid-Term Exam**  
May 8 Tort  
Peter H. Schuck, Agent Orange on Trial, excerpts  
May 10 Midterm Exam

**Week 7 Society**  
May 15 Eugenics  
Davenport, Eugenics (1910)  
May 17 Religion  

**Week 8 Economy**  
May 22 Patents  
Daniel Kevles – The Gene Patent Controversy  
The Gene Patent Controversy - 2010 update  
May 24 Biotech  

**Week 9 Technology**  
May 29 Pharmaceutical  
David Healy, Shaping the intimate, *Social Studies of Science* (April 2004)  
34:219–245  
May 31 Internet  

**Week 10 Future Challenges**  
Jun 5 Global Warming  
Massachusetts v. Environmental Protection Agency  
Jun 7 What have we learned?

**Final examination: Date and Location TBA**
**Course Policies**

- Full attendance in all classes is expected of all students.
- Students are required to read the assigned readings and submit their comments online before each meeting, by 12 p.m. (noon)
  - The comment should be no longer than half a page.
  - The comments will be read and checked, but not graded.
  - Late submission will not be accepted.

**Grades**

Attendance + weekly commentaries on the assigned readings: 20%.
- Mid-term: 40%
- Final exam: 40%

**Bibliography**

Required Books:

* All other readings will be posted in the