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:** Tuesdays & Thursdays 09:30-10:50 a.m.  CSB 004  
**Professor Golan Office hours:** Tuesday 11-12 a.m., or by appointment.  
**Professor Golan Office** H&SS bldg room 4044  
**Teaching Assistant:**

**Week 1 Introduction**  
**Jan 7** Introduction  
Goldberg, Steven, *Culture Clash: Law and Science in America*, 1-25.  
**Jan 9** History  

**Week 2 Scientific Evidence I**  
**Jan 14** Differentiating Between Good and Bad Science  
US Supreme Court Opinion in Daubert v. Merrell Dow Pharmaceuticals, Inc.  
**Jan 16** What Makes Evidence Scientific? The case of Fingerprints  

**Week 3 Scientific Evidence II**  
**Jan 21** What Makes Evidence Unscientific? The case of the Lie-Detector  
**Jan 23** Photographic Evidence: what you see is what you get?  
Jennifer Mnookin, *The Image of Truth*

**Week 4 Medicine and Law**  
**Jan 28** Imaging Technologies  
**Jan 30** Insanity Defense + Malpractice  
Reading TBA (check on the website)
**Week 5 Medicine and law**
Feb 4 Questions of Life and Death  
Sheila Jasanoff, Science at the Bar, 163-203
Feb 6 Federal agencies  
Sheila Jasanoff, Science at the Bar, 69-92

**Week 6 Regulation**
Feb 11 Midterm Exam (bring a blue exam notebook)
Feb 13 Tort  
Peter H. Schuck, Agent Orange on Trial, 1-40

**Week 7 Society**
Feb 18 Eugenics  
Davenport, Eugenics (1910)
Feb 20 Religion  

**Week 8 Technology**
Feb 25 Patents  
Reading TBA
Feb 27 Pharmaceutical  
Ben Goldacre, The drugs don't work: a modern medical scandal  
*The Guardian*, September 21, 2012

**Week 9 Current Challenges**
Mar 4 Biotech  
Mar 6 Internet  
TBA

**Week 10 Conclusion**
Mar 11 Global Warming  
Massachusetts v. Environmental Protection Agency
Mar 13 What Have We Learned?

**Final examination: Home test**
Posted: Mar 14, 2014 4 p.m.  
Deadline: Mar 17, 2014 10 a.m.
Course Policies

- Full attendance in all classes is expected of all students.
- Students are required to read the assigned readings and submit their comments on-line by 9 a.m. before each meeting.
  - Comments should be no longer than half a page.
  - 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 on line @TED