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 2-3:20 p.m.  CSB 005  
**Professor Golan Office hours:** Th 1-2 p.m., or by appointment.  H&SS bldg room 4044  
**Teaching Assistant:** Theodora Dryer  
  
  tjdryer@gmail.com

### Week 1 Introduction

**Sep 27**  Introduction  
Goldberg, Steven, *Culture Clash: Law and Science in America*, 1-25.

### Week 2 Scientific Evidence I

**Oct 2**  History  

**Oct 4**  Differentiating Between Good and Bad Science  
US Supreme Court Opinion in Daubert v. Merrell Dow Pharmaceuticals, Inc.

### Week 3 Scientific Evidence II

**Oct 9**  What Makes Evidence Scientific? The case of Fingerprints  

**Oct 11**  What Makes Evidence Unscientific? The case of the Lie-Detector  

### Week 4 Visual Evidence

**Oct 16**  Photographs: what you see is what you get?  
Jennifer Mnookin, The Image of Truth

**Oct 18**  Imaging technologies  

### Week 5 Medicine and law

**Oct 23**  Insanity Defense + Malpractice  
Reading TBA (check on the website)

**Oct 25**  Questions of life and death  
Jasanoff, Science at the Bar, 163-203
Week 6  Mid-Term Exam  
Oct 30  Midterm Exam  
Nov 1  Federal agencies  
   Sheila Jasanoff, Science at the Bar, pp 69-92

Week 7  Regulation  
Nov 6  Tort  
   Peter H. Schuck, Agent Orange on Trial, excerpts  
Nov 8  Eugenics  
   Davenport, Eugenics (1910)

Week 8  Society  
Nov 13  Religion  
Nov 15  Patents  
   Reading TBA

Week 9  Technology  
Nov 20  Pharmaceutical  
   Ben Goldacre, The drugs don't work: a modern medical scandal  
      The Guardian, September 21, 2012  
Nov 22  Thanksgiving - No Class

Week 10  Current Challenges  
Nov 27  Biotech  
Nov 29  Internet  
   TBA

Week 11  Conclusion  
Dec 4  Global Warming  
   Massachusetts v. Environmental Protection Agency

Dec 6  What have we learned?

Final examination:  Home test  
   Posted:  Dec 6, 4 p.m.  
   Deadline:  Dec 10, 8 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 1 p.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