# HISC 131: Science, Technology and Law
## Spring 2017
## Prof. Tal Golan    tgolan@ucsd.edu

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 15.30-16.50   PCYNH 120
**Office hours**: Thursdays 14.00-15.00, or by appointment.  H&SS bldg room 4044

## Week 1
**Apr 4 Introduction**
**Apr 6 History**
> Goldberg, Steven, *Culture Clash: Law and Science in America*, 1-25.

## Week 2
**Apr 11 What Makes Evidence Scientific? The case of Fingerprints**
> Simon Cole, "What Counts for Identity? The Historical Origins of the Methodology of latent Fingerprint identification," *Science in Context* (1999) 12:139-172
**Apr 13 What Makes Evidence Unscientific? The case of the Lie-Detector**
> Tal Golan, Laws of Man and Laws of Nature, 211-253.

## Week 3
**Apr 18 Differentiating Between Good and Bad Science**
> US Supreme Court Opinion in Daubert v. Merrell Dow Pharmaceuticals, Inc.
**Apr 20 Visual Evidence:  what you see is what you get?**
> Tal Golan, "Visual Images in the Courtroom: a Historical Perspective, *Parallax* ( 2008) 14 (4): 77-89**..**

## Week 4
**Apr 25 Insanity Defense**
> Reading TBA (check on the website)
**Apr 27 Patents**
> Reading TBA (check on the website)

## Week 5 &6 # Research project identified: cases and articles.

## Week 5
**May 2 Private law: Tort**
> Peter H. Schuck, Agent Orange on Trial, 1-40
> **Project Meetings with prof. Golan (after Class) –** Genetic Engineering, Genetic Databases, Environment.

**May 4 Public law: Regulation**
> Sheila Jasanoff, Science at the Bar, 69-92
> **Project Meetings with prof. Golan (after class) –**Abortion, Patents, Pharma

**Week 6**
**May 9  Midterm Exam**
> Bring a blue exam notebook
**May 11 Questions of life and Death: Abortion and Euthanasia**
> http://www.pbs.org/newshour/updates/senate-vote-block-abortion-funding-affects-planned-parenthood/
> **Project Meetings with prof. Golan (after class) –** Intrrnet privacy, Media/Games/Music

**Week 7&8  # Research projects finalized: presentation and class questions.**

**Week 7**
**May 16  Pharmaceutical society**
> Reading TBA (check on the website)
> **Project final meetings with prof. Golan (after class) -** Genetic Engineering, Genetic Databases
**May 18  Global Warming**
> Reading TBA (check on the website)
> **Project final meetings with prof. Golan -**  Environment, Abortion

**Week 8**
**May 23 Intelligent Design and Evolution**
> H.Allen Orr, Devolution: Why intelligent design isn't, *New Yorker,* Mar 30, 2006.
> **Project final meetings with prof. Golan** Patents, Pharma

**May 25 Internet:  Net neutrality**
> Reading TBA
> **Project final meetings with prof. Golan–** Internet privacy, Media/Games/Music

**Week 9**
**May 30** Case presentations & class discussion: Genetic Engineering, Genetic Databases
**Jun 1**    Case presentations & class discussion: Environment, Abortion

**Week 10**
**Jun 6**  Case presentations & class discussion:  Patents, Pharma
**Jun 8**  Case presentations & class discussion: Internet privacy, Media/Games/Music

**Jun 13, 10 a.m.   Deadline: Research Paper**

## Course Policies
- All submitted work must be your own.
- Weekly commentaries on the assigned readings
  - The students will comment on the assigned readings before each meeting.
  - Commentaries:
    1. must be entered by 2 p.m., day of class.
    2. should be short, not longer than half a page.
    3. will be checked but not graded.
    4. Will not be accepted pass the deadline
    5. If you fail to enter three or more commentaries, you lose the commentary's grade contribution.

## Grading
- **Weekly commentaries** %10
- **Mid-term exam** 45%
- **Final paper** 45%


**\* All readings will be posted on line @TritonEd.**

| Name | Email |
| --- | --- |
| Buck, Madeline Mei | mmbuck@ucsd.edu |
| Cardno, Daniel Thomas | dcardno@ucsd.edu |
| Cayaba, Mark Justin Saringan | mcayaba@ucsd.edu |
| Chapelle, Timothy Robert | tchapell@ucsd.edu |
| Chen, Tina | tyc020@ucsd.edu |
| Ferrusca, Julio Ramon | jferrusc@ucsd.edu |
| Gargov, Nikola Dimitrov | ngargov@ucsd.edu |
| Hale, Preston Joseph | phale@ucsd.edu |
| Huerta, Stephanie Guadalupe | sghuerta@ucsd.edu |
| Irwin, Conner Joseph | cjirwin@ucsd.edu |
| Kim, Hansoo (Hans) | hak079@ucsd.edu |
| Mellor, Daniel Jay | dmellor@ucsd.edu |
| Nguyen, Galang | gan002@ucsd.edu |
| Rafique, Aarslan | arafique@ucsd.edu |
| Rodriguez, Cailen Olivia | cor001@ucsd.edu |
| Shankar, Rithvik | rishanka@ucsd.edu |
| Song, Christopher Injoon | cisong@ucsd.edu |
| Tran, Duc Cong | dct007@ucsd.edu |
| Ye, Wei | w3ye@ucsd.edu |
| Zadgaonkar, Aditya Anand | azadgaon@ucsd.edu |