LAW, TECHNOLOGY, AND LIBERTY

Drew Endy (Engineering) and David Singh Grewal (Law)

Stanford University

Winter Quarter 2017

BIOE 242; ENGR 243; LAW 4014

Time: Mondays, 9-11 AM [formal discussion starts at 9:05 sharp]

Location: Stanford Law School, Crown Building Room 320D

Instructors:

Drew Endy (endy@stanford.edu)

David Singh Grewal (david.grewal@yale.edu)

Teaching Assistants:

Nicole Bronnimann (nbronnim@stanford.edu)

Daniel Chao (dchao90@stanford.edu)

Administrative Assistants:

Ben Blay (bblay@law.stanford.edu) (Grewal)

Christine Dorosin ([cdorosin@stanford.edu](mailto:cdorosin@stanford.edu)) (Endy)

Course E-mail for Submitting Assignments or reaching all course Staff:

[ltlwinter2017@gmail.com](mailto:ltlwinter2017@gmail.com)

*Office hours*:

Drew Endy: Fridays 12-2 or by appointment [Shriram 252]

David Grewal: Mondays 2-4 or by appointment [Neukom 342]

Nicole Bronnimann: TBD or by appointment.

Daniel Chao: TBD or by appointment.

SYLLABUS DATE: Jan. 6, 2017.

COURSE REQUIREMENTS:

In addition to your passion and curiosity this class requires of you:

(i) weekly attendance and active participation in every class;

(ii) weekly readings and brief written reading responses;

(iii) a final memo.

*Grading*: 70% (10% for each of the 7 weekly assignments).

20% for the final memo.

10% for participation in class discussions.

*Class attendance and participation*: Your weekly participation and written responses are expected and required. Your written responses should draw upon conversations in class and beyond, but must be your own individual work.

*Weekly reading responses*:

Your weekly reading response should have three parts, of one paragraph to one half page each, for a maximum of 1.5 pages of text, with normal margins, etc.

Your first part (~1 paragraph/0.5 page) should lay out what’s happening *descriptively* in the readings, with a focus on current law and policy AND any new technologies under consideration. If you can, rather than a simple summary, focus on the most important, or *net* difference, that is being introduced or discussed.

Your second part (1 paragraph/0.5 page) should state how the intersecting dynamics or collision of law, policy, and technology laid out in the first part could change the world, for good or bad (or both). I.e., why does what you described in the first part *matter*, and for which reasons?

Your third part should sketch a strategic response or potential policy proposal to the situation or trends prioritized in the second part of your response. I.e., what would you recommend changing or altering about the state of things or how the world is organized or operating? In addition to a few lines in *normal* prose, you may wish to close this third part with a “Presidential Tweet” – imagining that *you* are the President tweeting on your prioritized topic.

The weekly reading responses are due by 5 PM Sunday. It is critical that you get these to us by that time, so that we can read them in advance of Monday’s class. Please send your responses to [ltlwinter2017@gmail.com](mailto:ltlwinter2017@gmail.com) as a .PDF file attachment.

*Final Memo*:

As a final assignment, please prepare a 3-5 page written memo that critically evaluates the framing hypothesis of the course (which we will introduce on the first day and revisit throughout), focusing on whatever specific topic(s) you most wish to explore. We expect your memo will be due approximately one week after the course ends.

CLASS SESSIONS, DATES & TOPICS\*\*

Session 1: **Introduction** [1/9/17]

Overview of the course.

Session 2: **Making & Control** [1/23/17] – Guest speaker: Christina Smolke

Case studies: Brewing and energy.

Session 3: **Openness & Ownership** [1/30/17]

Case studies: GNU Public License and BioBrick Public Agreement.

Session 4: **Autonomy & Information** [2/6/17]

Case studies: Automated vehicles and the platform economy.

Session 5: **Citizens & Subjects** [2/13/17] – Guest speaker: Rick Matthews

What does citizenship mean—and what should it mean?

Session 6: **Nature & Meaning** [2/20/17]

Case studies: Gene drives and geoengineering.

Session 7: **Evolution & Tyranny** [2/27/17]

Case studies: Human genetic engineering and cyborg technologies.

Session 8: **Security & Liberty** [3/6/17]

Case studies: Printing pathogens and electronic surveillance.

Session 9: **Conclusion** [3/13/17]

\*\* Readings will be distributed in advance of each session via Canvas and Axess.