<u>DRAFT</u> Plan II Seminar Syllabus for "Science and Innovation Policy" (Instructor: John Golden)
Please note that this is only a draft; course content will be further developed and revised over time.

Reaction Papers (100-200 words): 3 of classes 2-6; 14 of remaining non-student-presentation classes.

Week 1

(a) Motivation and Introduction: White House Report (2011); Golden, Proliferating Patents; TLR Foreword (first two paragraphs)
(b) Innovation, Government Policies, and Human Values: Golden & Wiseman, "Fracking Revolution"; Merrill & Schizer or possible other article on environmental/regulatory side

Week 2

(a) History: S. Scotchmer, Innovation & Incentives (2006) (ch.1); J. Mokyr, Lever of Riches (chs.1-2)
(b) History: Mokyr (chs.5-6)

Week 3

(a) History: Mokyr (chs.7-8)
(b) History: Mokyr (chs.9-10)

EXTENDED VERSION OF RESPONSE PAPER (circa 600 words) DUE

Week 4

(a) Economics of Innovation and IP: Scotchmer (chs.2-3); FTC Report; J. Madison; T. Jefferson; Sakraida (S. Ct.)
(b) Economics of Innovation and IP: Scotchmer (chs. 4); Merges & Nelson; Heller & Eisenberg

PROSPECTUS FOR TERM PAPER DUE

Week 5

MEETINGS TO DISCUSS PROSPECTUS AND RESPONSE PAPER

(a) Economics of Innovation and IP: Scotchmer (ch.6); Eisenberg; Shiu; Merges on Collective Rights and/or Public Domain
(b) Economics of Innovation and IP: Scotchmer (ch.7); Lemley & Weiser; eBay (S. Ct.); Lucent (CAFC)

Week 6

(a) Software Patents in the U.S. Supreme Court–Benson, Flook, Diehr, Alice
(b) IP and Non-Economic Values: Netanel; Bracha-Syed?; Ginsburg?; Fisher, Pr. Discr.

REVISED VERSION OF RESPONSE PAPER DUE

Week 7

(a) Peer Production, Commons and a Potential New Age of Distributed Innovation: Benkler, Coase's Penguin; Depoorter; Solum; Scotchmer (ch. 10)?
(b) Copyright in U.S. Supreme Court: Harper & Row; Eldred; Grokster; Golan

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Week 8

EXTENDED RESPONSE PAPERS RETURNED WITH COMMENTS

(a) Science and Innovation: Scotchmer (ch. 8); R. Nelson, The Simple Economies of Basic Scientific Research, 67 J. Pol. Econ. 297-306 (1959); Eisenberg/Rai/Merton?
(b) Science and Innovation: D. Stokes, Pasteur's Quadrant

Week 9

(a) Science and Innovation: Prizes and Grants (selections from articles)
(b) Science and Innovation: J. Watson, The Double Helix

Week 10

(a) Science and Innovation: Golden, Biotechnology, Tech. Pol'y & Patentability; In re Fisher (CAFC)
(b) Science, Innovation, and Biology Patents in the U.S. Supreme Court: Chakrabarty; Prometheus; Myriad

INITIAL DRAFT OF TERM PAPER DUE

Week 11

(a) Student Presentations (15 mins each with Q&A; extended class—or a 3rd class this week)
(b) Student Presentations (15 mins each with Q&A; extended class—or a 3rd class this week)

MEETINGS TO DISCUSS TERM PAPER
MEMO ON ANOTHER STUDENT'S DRAFT DUE

Week 12

(a) Business and Government: J. Gertner, The Idea Factory (2012)
(b) Business and Government: Regulatory Lags and Capture—Blais & Wagner; Wagner, Info. Capture; L. Heinzerling rev. of McGarity & Wagner, Bending Sci.

Week 13

(a) Business and Government: J. Lerner, Boulevard of Broken Dreams (2012)
(b) <u>NO CLASS</u> (Wed. before Thanksgiving)

Week 14

(a) "Niche Areas" of Fashion/Magic/Comedy: Raustialia & Sprigman; magic/comedy?
(b) Innovation and Social Justice: Fisher & Syed, Kapczynski et al.

FINAL DRAFT OF TERM PAPER DUE (Friday, Dec. 5)