

Econ 307 Reading List

Key to Sources/Availability:

- A = available on Angel course website
- H = handout distributed in class
- B = available from bookstore
- J = available on the web through JSTOR (www.jstor.org)
- * = optional resource for additional reading or review article

Part 0 – Antecedants, review articles

- (A) Robert E. Lucas, Jr. “Industrial Revolution: Past and Present” (Address, Minneapolis Federal Reserve, 2003).

Part I – Growth Theory

- (H) Hopkins, *A Primer on Growth Theory*
- (A) Solow, “Growth Theory and After,” *Nobel Prize Lecture* (1987).
- (A) Solow, “A Contribution to the Theory of Economic Growth,” (*QJE*, 1956)
- (A) Solow, “Technical Change and the Aggregate Production Function.” (*RES*, 1957)
- (H) Paul Krugman, “The Myth of Asia’s Miracle” (*Foreign Affairs*, 1995)
- (H) Charles Jones, “The Engine of Growth.” Chapter 5 in *Introduction to Economic Growth, 2nd edition*. (Norton, 2002)
- (A) Paul Romer, “The Origins of Endogenous Growth,” *Journal of Economic Perspectives* (Winter 1994)
- (A) Gene Grossman and Elhanan Helpmann, “Endogenous Innovation in the Theory of Growth,” *Journal of Economic Perspectives* (Winter 1994)
- (J*) Mark Bilal and Peter Klenow, “Does Schooling Cause Growth?” *American Economic Review* (December, 2000).

Part II –The Impact Society on Innovation

A. Technology, Productivity and Social Welfare

- (B) Scherer, *New Perspectives on Economic Growth and Technological Innovation*.

- (A) Williamson, "Productivity and American Leadership: A Review Article," *Journal of Economic Literature* (March 1991, pp. 51-68).
- (H) Krugman, "Competitiveness: A Dangerous Obsession" (*Foreign Affairs*, 1994)

B. Growth and Public Policy

- (A) ERP 2006, Chapter 10, "The Role of Intellectual Property in the Economy"
- (A) Lerner, "150 Years of Patent Protection," *American Economic Review*, May 2002, pp. 221-225
- (H) Branscomb, "Toward a U.S. Technology Policy," *Issues in Science and Technology*, Summer 1991, pp. 50-55

C. The Economics of Science

- (H) Kuhn, *The Structure of Scientific Revolutions* (first (1962) edition), Chapter VI (I)
- (B) Mokyr, *The Gifts of Athena*, (Princeton), Chapter 1
- (H) Zumeta and Raveling, "Attracting the Best and Brightest," *Issues in Science & Technology* (Winter 2002-03, pp. 36-40).
- (A) National Science Board, *Science and Engineering Indicators: 2004*, vol. I, Chapter 0 & Chapter 6. <http://www.nsf.gov/statistics/seind04/pdfstart.htm>
Also 2006 update for new data: (<http://www.nsf.gov/statistics/seind06/>)
- (A*) Phelps, "Further Steps Towards a Theory of Innovation and Growth," mimeo.
- (A*) Stephan, "An Essay on the Economics of Science," *Journal of Economic Literature* (September 1996, pp. 1199-1235).
- (J*) Schmookler, "Economic Sources of Inventive Activity," *Journal of Economic History* (March 1962, pp. 1-20)

Part III – The Impact of Innovation on Society

A. The History of Economic Growth

- (H) Maddison, *The World Economy* (Introduction and Summary)
- (A) "Modern Wonders," *The Economist*, Dec. 25, 1993, pp. 47-51

(B) Mokyr, *The Gifts of Athena*, (Princeton), Chapters 2-3

(B*) Mokyr, *The Gifts of Athena*, (Princeton), Chapters 4-7

B. Globalization, Technology and Growth (optional readings only)

(J*) Brian Aitken and Anne Harrison, "Do Domestic Firms Benefit from Direct Foreign Investment? Evidence from Venezuela," *American Economic Review* (June 1999, pp. 605-618).

(J*) Paul Krugman, "A Model of Innovation, Technology Transfer, and the World Distribution of Income," *Journal of Political Economy* (Vol. 87, No. 2 1979).

C. Technology, Growth and Distribution

(H) Jeremy Greenwood, *The Third Industrial Revolution: Technology, Productivity, and Income Inequality*, pp. 1-25

(A) Sherwin Rosen, "The Economics of Superstars," *The American Economic Review*, (Dec., 1981, pp. 845-858).

(A) Moshe Adler, "Stardom and Talent," *The American Economic Review* (March, 1985, pp. 208-212).

(J*) Acemoglu, "Technological Change, Inequality and the Labor Market," *Journal of Economic Literature* (Mar., 2002, pp. 7-72)

(J*) Acemoglu, "Directed Technical Change," *Review of Economic Studies* (Oct., 2002, pp. 781-809).

(J*) William A. Hamlen, Jr. "Superstardom in Popular Music: Empirical Evidence," *The Review of Economics and Statistics* (Nov., 1991, pp. 729-733).

(J*) Glenn M. MacDonald, "The Economics of Rising Stars," *The American Economic Review* (Mar., 1988, pp. 155-166).

Part IV – The Internet Revolution: Is the “New Economy” new?

A. Theory

(H) Coyle, *The Weightless World*, Chapter 1 (MIT Press, 1997)

- (B) Varian and Shapiro, *Information Rules*
- (J) David H. Autor, "Wiring the Labor Market," *The Journal of Economic Perspectives*, (Winter, 2001, pp. 25-40).
- (J*) Arthur, "Competing Technologies, Increasing Returns, and Lock-In by Historical Events," *The Economic Journal*, (Mar., 1989)

B. Evidence

- (A) Robert Gordon, "Does the 'New Economy' Measure Up to the Great Inventions of the Past?" *Journal of Economic Perspectives*, (Fall 2000, pp. 49-74).
- (A) Martin Baily, "The New Economy: Post Mortem or Second Wind?" *Journal of Economic Perspectives*, (Spring 2002, pp. 3-22).
- (H*) Zvi Griliches, "R&D and Productivity," in Paul Stoneman, ed., *Handbook of the Economics of Innovation and Technological Change* pp. 52-89

Part V – Industry Analyses

- (B) Adams and Brock, *The Structure of U.S. Industry* (optional, also on-reserve)