"Ideas..." wrote John Maynard Keynes, "when they are right and when they are wrong, are more powerful than is commonly understood.... Practical men, who believe themselves... exempt from any intellectual influences, are usually the slaves of some defunct economist....The power of vested interests is vastly exaggerated compared with the gradual encroachment of ideas."

Industrialization has been a transatlantic phenomenon that continues to alter the material lives, aspirations, and values of millions of people. From the late eighteenth century through today, technology has come to stand at the heart of concerns about how to deal with questions of production and consumption, of alienation, social reform and control, the deteriorating environment, and technological progress itself. It has been seen as both a panacea and an uncontrollable destructive force. This course explores the responses of philosophers, economic theorists, culture critics, public policy makers and urban planners to changes in western society wrought by industrialization by focusing on their concerns with technological change.

Class lectures and discussions will be based on assigned readings and projects. Topics include: mechanization of nature and society; Enlightenment views on science, technology, and the individual; utopia and dystopia, the idea of progress, built environments, development theories, and technology in a dangerous world.

Course work in this class is intended to accomplish two ends. First, to acquaint you with the ideas of a number of influential writers engaged in shaping modern industrial societies. Second, to engage you in critically examining, discussing and writing about their ideas in the context of the major themes of the course with an eye to their continuing relevance in contemporary society.

Course Work and Grading: The course is centered around critical discussion of the assigned readings and films. To guide and stimulate your thinking about
this material. Students will write 4 ungraded two-page responses to these assignments over the course of the semester. Lectures will provide context and summarize pertinent issues. There will be three short papers (6-7 pages) on subjects to be announced in class, and an oral presentation and 15 page paper on a topic to be arranged with the instructor.

Required texts:

1. Robert Heilbroner
   The Worldly Philosophers, 7TH, REVISED ed.,
   Simon & Schuster, July 1999, Paperback, 368pp
   Publisher: Simon & Schuster Trade Paperbacks
   Pub. Date: July 1999
   Edition Desc: 7TH REV
   ISBN: 068486214X

2. Terence Ball, Richard Dagger
   Ideals and Ideologies: A Reader, Fifth Edition
   Paperback: 442 pages
   Publisher: Longman; 5th edition
   ISBN: 0321159756

3. Le Corbusier
   The City of tomorrow and its Planning
   Price: $14.95
   ISBN: 0486253325
   Publisher: Dover Publications, Incorporated
   Pub. Date: April 1987

Other: short selections from online texts or material on course reserve in KSL.

Grading: three short papers 15% ea. X 3 45%

   Final Project: presentation 20%
   Written paper 20%
   Classroom participation 15%
SCHEDULE AND READING ASSIGNMENTS
Readings are assigned to complement the lecture material and to provide
information for class discussions at each class meeting. You are expected to
keep up with the assignments.

Jan 11: Introduction to Class. Nature comes down to Earth. The Creation of the
Public Sphere

Part I: The Mechanization of the World Picture: society, human beings, nature
The end of the 18th century, saw industriousness move front and center as a prime value
in the eyes of a new group of individuals, intellectuals committed to promoting their ideas
for building a modern society based on scientifically organized production and
consumption. A mechanistic view of the world and of human nature informed their ideas
about how historical change happened and could be managed in the future.

Jan. 18 Ideology, Machine Man and French Enlightenment: Turgot, Condorcet,
Sketch for an Historical Picture of the Progress of the Human Mind
Readings:
Ball and Dagger, pp. xiii-10
La Mettrie, Machine Man, Beginning through “it is a beautiful soul which dignifies the
man endowed with it.” Text beginning “But since all the faculties of the soul depend to
such a degree on the proper organization of the brain” to “the faculty of motion,
impenetrability, extension, etc.”

http://cscs.umich.edu/~crshalizi/LaMettrie/Machine/

Heilbroner, pp. 13-41
Condorcet, selection “The Future of the Human Mind”
http://www.fordham.edu/halsall/mod/condorcet­progress.html
Turgot, article “Fairs”, at http://luna.uchicago.edu/forms_unrest/ENC.query.html (you
have to use the Case system)

Jan. 25. Adam Smith
Readings:
Heilbroner, 43-74
Smith: An Inquiry Into the Nature and Causes of the Wealth of Nations
Introduction and Plan of Work; Book I, through chpt. 3; chpt. 10 to beginning to “The
difference between the wages of skilled labour and those of common labour is founded
upon this principle.”; Book V, Part Third, 1st and 2nd paragraphs; Part IV “of the Expense
if supporting the Dignity of the Sovereign” and Conclusion to the Chapter. http://art­
bin.com/art/oweal1a.html

Ball and Dagger, pp. 98-100

Adam Smith, Theory of Moral Sentiments
Part IV (On Utility) all; Part VI (On Virtue), Section ii, Chpt. 3, para. 3.4-3.6.
http://www.adamsmith.org/smith/tms/tms-index.htm

Readings:
Heilbroner, pp. 75-104
Malthus, Essay on Population, Chapter 2
http://socser2.socsci.mcmaster.ca/~econ/ugcm/3ll3/malthus/popu.txt
Gunther Stent, Tragedy of the Commons
http://dieoff.org/page95.htm
Bentham, Panopticon, Letter I, II, VI, XXI
http://cartome.org/panopticon2.htm

Foucault, Panopticism, beginning to “it is in fact a figure of political technology that may and must be detached from any specific use,” and final paragraph.
http://foucault.info/documents/disciplineAndPunish/foucault.disciplineAndPunish.panOpticism.html

First short paper due

Part II: Inventing the Future

February 8. The Utopians; Marx
Ball and Dagger, pp. 189-202
Heilbroner, pp. 105-164
Marx, Communist Manifesto, selection in Ball and Dagger, pp. 202-214
Marx, selections from Capital: I, 492-508, 544-547, 617 at:
http://www.marxists.org/archive/marx/works/cw/volume35/index.htm

February 15. Theories of Evolution: Bellamy, Looking Backward and Social Darwinism, visiting lecturer

Reading:
Ball and Dagger, pp. 267-276 selection plus web text
http://xroads.virginia.edu/~HYPER/BELLAMY/toc.html
Heilbroner, 170-212

Part III Modernity and Modernism: Technosocieties and their problems

February 22 The Invention of Sociology, visiting lecturer

International Expositions and Consumer Society

Readings:
Williams, Dream Worlds, Chapter 1 and Chpt. On Gabriel Tarde

March 1: Second Short Paper due

Presentations of second short paper

Mid-term grades March 7
Spring break March 7-11

March 15: Urbanism, Urban planning and Systems Theory:
Readings:
TBA: the Musee Social: Henard, Burnham
Corbusier, *City of the Future* (all)

22 Film: *Metropolis*

24: individual meetings to discuss final projects

March 29: Fascism: Hitler, Mussolini, Spier; Statist economics: Keynes; Capitalism revived: Schumpeter

Readings:
Ball and Dagger, 287-326
Heilbroner, pp. 248-287; 288-310c
Schumpeter,
http://transcriptions.english.ucsb.edu/archive/courses/liu/english25/materials/schumpeter.html

*Third short paper due*

March 31: Film: *The Matrix*

Part IV Post-Modernism

April 5: Environmentalists: the Greens and Web Ideology

Readings:
Ball and Dagger, pp. 405-440
pp. xii-38; 91-115

April 12: Development Theory, international finance, invited speaker
Reading to be announced

19 Final Project Presentations

April 25 last day of class

April 26 27 reading days

April 29 Final Papers due in my office by 5:00 p.m.

Final exams April 29-May 5
Final grades due May 7th
Key to web sites
@6. La Mettrie, Julien Offray de, Machine Man (L'homme machine)
http://cscs.umich.edu/~crshalizi/LaMettrie/Machine/

@7. Encyclopédie—Turgot, article on “Fairs” (“Foires”)[There is a web site for the Encyclopédie which requires an id and pin via CWRU library. I believe once on the Case system you can access it. Pls. Check.]

@8. Adam Smith, Theory of Moral Sentiments
http://www.adamsmith.org/smith/tms/tms-index.htm

@9. Adam Smith, Wealth of Nations, e-book Netlibrary via KSL
http://www.econlib.org/library/Smith/smWN.html
or
http://www.bibliomania.com/2/1/65/112/frameset.html

@Condorcet, Sketch for a History of the Progress of the Human Mind
http://www.fordham.edu/halsall/mod/condorcet-progress.html

@Bentham, Utilitarianism and Panopticon
http://cartome.org/panopticon2.htm

@Michel Foucault, Panopticim,
http://foucault.info/documents/disciplineAndPunish/foucault.disciplineAndPunish.panOpticism.html
URL:
http://foucault.info/documents/disciplineAndPunish/foucault.disciplineAndPunish.panOpticism.html

@Michel Foucault, What is Enlightenment?,

@Thomas Malthus, Essay on Population
http://socserv2.socsci.mcmaster.ca/~econ/ugcm/3ll3/malthus/popu.txt
or
http://www.ac.wwu.edu/~stephan/malthus/malthus.0.html

@or *Garrett Hardin, Tragedy of the Commons
http://dieoff.org/page95.htm
@5. Marx, Communist Manifesto, 
http://www.marxists.org/archive/marx/works/1848/communist-manifesto/index.htm

@ Edward Bellamy, Looking Backward, e-book Netlibrary via KSL
http://xroads.virginia.edu/~HYPER/BELLAMY/toc.html
or
http://eserver.org/fiction/bellamy/contents.html

@ Emile Durkheim, readings
http://durkheim.itgo.com/durkbooks.html

@ Gabriel Tarde
http://translate.google.com/translate?hl=en&sl=fr&u=http://www.denistouret.net/ideologues/Tarde.html&prev=/search%3Fq%3DGabriel%2BTarde%26hl%3Den%26lr%3D

@ Shumpeter, Creative Destruction
http://transcriptions.english.ucsb.edu/archive/courses/liu/english25/materials/schumpeter.html

@Film: The Matrix (video or dvd to borrow)

@Film: Metropolis (video or dvd to borrow)

@film: Le Corbusier, The City (KSL purchase or borrow? On Line?)