

Core One: History, Theory and Practice of Interactive Media

ITCP 70100: Wednesday 4:15-6:15 Spring 2004

<http://bb.gc.cuny.edu>

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Description

This is the initial core course in the Interactive Technology and Pedagogy certificate program. We will examine the economic, social and intellectual history of technological design and use in general and interactive media in particular. Our focus is on the mutual shaping of technology and teaching and learning; how people and ideas have shaped these interactions in the past, and how we are now shaping technological use and teaching and learning processes. By examining the use and design of technologies we are of course reflecting on what it means to be human as well.

The course also explores the history and theory of hypertext and multimedia, highlighting the theoretical and practical possibilities for research, reading, writing and presentation in a world where new, nonlinear structures are increasingly available and popular.

Each student will write three papers: two short ones (weeks 6 and 9) along with a longer one, due during the final exam period in late May. The longer paper should address issues of science and technology as they relate to teaching and learning, analyze the problem from additional readings, and hopefully apply it to a project you are currently thinking about and/or planning to do in Core II.

We will be using a course website <http://bb.gc.cuny.edu> where we can have discussions about the reading and in-class discussions. We will also be asking each student to lead an in-class discussion or online BB discussion during the semester.

Books Ordered: Labyrinth Books:

Lev Manovich, *The Language of New Media* MIT Press

Philip Dick, *Do Androids Dream of Electric Sheep* Del Rey

Ellen Ullman, *Close to the Machine* City Lights Books

David Harvey, *The Condition of Postmodernity* Blackwell

SCHEDULE

PROLOGUE

1. Feb. 4 - Introduction -
Film Clips: Blade Runner and World of Tomorrow
2. Feb. 11 - Themes: Theory, History and Practice
Donna Haraway, "A Cyborg Manifesto: Science, Technology, and Socialist-Feminism in the Late Twentieth Century," in *Simians, Cyborgs and Women: The Reinvention of Nature*, Routledge, 1991, 149-81 (available online at <http://www.stanford.edu/dept/HPS/Haraway/CyborgManifesto.html>)
Manuel Castells, *Internet Galaxy*, Chap 1 (copy)
Randy Bass, Engines of Inquiry <http://www.georgetown.edu/crossroads/guide/engines.html>
3. Feb. 18 – No Class
4. Feb. 25 -
Philip Dick, Do Androids Dream of Electric Sheep

PART ONE

5. March 3 - Historical Perspectives I (SB and JB)
Karl Marx, *Capital*, Vol. 1, Chapter 7, "The Labor Process" and Chapter 15, "Machinery and Modern Industry," Sections 1-5 and Section 8 (any edition; also available online at <http://csf.colorado.edu/psn/marx/Archive/1867-C1/>).
E.P. Thompson, [Time Work-Discipline and Industrial Capitalism" Past and Present 38 \(1967\), 56-97](#)
Wolfgang Schivelbusch, *The Railway Journey* (sel) copy
6. March 10 - Historical Perspectives II (DJ and SB)
David Harvey, The Condition of Postmodernity
7. March 17 - Contemporary Perspectives (GO and DJ)
Ellen Ullman, Close to the Machine
Neal Stephenson, In the Beginning was ... the Command Line
<http://www.cryptonomicon.com/beginning.html>
Roy Rosenzweig, "Wizards, Bureaucrats, Warriors and Hackers: Writing the History of the Internet" American Historical Review (December 1998)
<http://chnm.gmu.edu/assets/historyessays/e2/wizards4.html>

PART TWO

- 8.. March 24 - Languages: Introduction (JB and SB and GO)
Lev Manovich, **The Language of New Media** (sel)
David Crystal, *Language and the Internet* (sel)

9. March 31 Languages – Hypertext (SB and DJ)
The Victorian Web <http://www.victorianweb.org/>
George Landow, Hypertext, (Chapter 1)
<http://www.victorianweb.org/cpace/ht/jhup/contents.html>
Jerome McGann, “The Rationale of Hypertext”
<http://www.iath.virginia.edu/public/jjm2f/rationale.html>
Who Built America (CDROM)
Clifford Lynch, “The Battle of Define the Future of the Book in a Digital World,” *First Monday* 6 (June 2001) http://www.firstmonday.org/issues/issue6_6/lynch/index.html You can read the book online at First Monday, but I’d prefer you to read it using the TK3 e-book reader, which is available free online at http://www.nightkitchen.com/books/samples_book.phtml?book=63.
You need to download and install both the free TK3 reader and the free copy of the Lynch book to your home computer (you probably won’t be able to download TK3 software to a GC machine). I’d prefer that you read the Lynch book on screen and use the TK3 electronic book reading tools (highlighter, notebook, page “dog ears”, etc.) when you do, which I’ll demonstrate in class). Part of your assignment is to evaluate what you thought of this new technology for reading
William Thomas and Edward Ayers, “The Differences Slavery Made: A Close Analysis of Two American Communities,” *American Historical Review* (Dec. 2003) at http://www.vcdh.virginia.edu/xml_docs/ahr/article.html

10. April 7 – Spring Break

- 11 April 14 - Languages – Visual (DJ and JB)
Barbara Stafford, *Good Looking* (sel)
More Manovich (gaming and simulation section)
Gaming or simulation example?
The Lost Museum <http://www.lostmuseum.cuny.edu/>
Edward Tufte, **Cognitive Power of Powerpoint**
<https://www.edwardtufte.com/tufte/powerpoint>
Hocks and Kendrick, *Eloquent Images: Word and Image in the Age of New Media* (sel)

PART THREE

12. April 21 - University, Labor Process, and Educational Technology I (GO and SB)

Stanley Aronowitz, *The Knowledge Factory* (sel)

William J. McIver, Jr., William F. Birdsall, and Merrilee Rasmussen, "The Internet and the right to communicate" http://www.firstmonday.dk/issues/issue8_12/mciver/index.html

Roy Rosenzweig, "Scarcity or Abundance? Preserving the Past in a Digital Era" *American Historical Review* 108, 3 (June 2003): 735-762

<http://chnm.gmu.edu/assets/historyessays/scarcity.html>

13. April 28 - University, Labor Process, and Educational Technology II (DJ and SB)

Douglas Kellner, "Technological Transformation, Multiple Literacies, and the Re-Visioning of Education," <http://www.gseis.ucla.edu/faculty/kellner/papers/revised.htm>

Richard Kahn and Douglas Kellner, *Virtual Seminar: Technology, Education, and Society: Conflicting Perspectives*, <http://www.gseis.ucla.edu/courses/ed253a/kellner/edtech2.html>

Todd Oppenheimer, *The Flickering Mind: The False Promise of Technology in the Classroom and How Learning Can Be Saved* (selection)

14. May 5 - Educational Technology: Perspectives on Student Learning III (GO and DJ)

John Bransford, *How People Learn* (sel) <http://www.nap.edu/html/howpeople1/>

Examples: WBA, History Matters, Lost Museum; How Everyday Things are Made (<http://manufacturing.stanford.edu/>) (perhaps dividing up group to look at various examples)

David Jaffee, "'Scholars will soon be instructed through the eye':

E-Supplements and the Teaching of U.S. History" *Journal of American History* (March 2003)

<http://www.indiana.edu/~jah/textbooks/2003/jaffee.shtml>

Student project presentations and discussions

15. May 12 - Student project presentations and discussions