

Educational Studies 216: Education and Technology

Fall 2002
Trinity College

M 1:15-4 PM
LSC 138-9
<http://www.trincoll.edu/depts/educ>

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Office Hours: T/Th 2:00-4:00 PM; M 10:30-11:30; and by appointment.

This course is designed to introduce student to topics in Education and Technology. Over the course of the semester we will explore various topics related to this subject as a class and individually. Some of the topics we will focus upon include Schools and colleges have invested billions of dollars in computer technology, but how do we evaluate its effectiveness and hidden costs? Who designs technology and how does it reflect their values and beliefs? Who has access to computers and how are they actually used in our society? Students will explore these questions, critically evaluate software products, and engage in community learning placements to research how technology has shaped the context of schooling.

Required Texts:

Available at bookstore in Ed Studies section (in back, near History and English):

Cuban, Oversold and Underused, Harvard, 2001.

Jossey Bass, The Jossey Bass Reader Jossey Bass, 2001

Additional readings will be made available to the class throughout the semester.

Evaluation and Grading

This course meets once a week. You are expected to be at each class and be prepared to fully participate in the discussion of material you have been assigned.

A major piece of this course will be the compiling of a data base related to the topics already identified and any new topics that arise as a result of your work. Information from your personal database will be made available to others in the class and potentially to future classes.

Research Topic Study Projects: Two Research Topic Studies will be required during the initial part of our investigation into issues related to Education and Technology. Each will be worth 15% of your final grade.

Individual Research Projects: A major part of your grade will be based on the individual research project that you design. The individual research project may stem from one of the topic studies.

This semester research projects may also take the form of a grant submission to upgrade technology usage at a Greater Hartford Public School. Part of the research will involve locating funding sources and identifying schools or programs that would be interested in assistance with securing additional funds to further their technology needs.

A proposal of your individual research project will be required prior to October 21. . I will be glad to assist you in the design of the project. You must discuss your ideas with me prior to that time.

The presentation of your individual research projects will take place during the exam period

Peer Evaluations: Each of you will be responsible for writing an evaluation of the individual research projects and will submit it via Blackboard following the presentation.

Grading:

- Participation and Attendance: 20%
- Research Topic Study I: 15%
- Research Topic Study II: 15%
- Individual Research Proposal: 10%
- Individual Research Project: 20%
- Individual Research Presentation: 10%
- Peer Evaluations of Individual Research Presentations: 10%

Course Schedule:

Topic One: The History of Computers and Education

M 9/2 **Introduction to the course and the facility**

Topic Two: Educational Pedagogy and Its Significance to Learning with Technology

M 9/9

Assignment: Technology and Learning, Part One: Reports and Standards.

M 9/16

Assignment: Technology and Learning, Part Two: Equity, Access and Literacy.

Topic Three: The Implementation of Technological Learning in Educational Communities

M 9/23

Assignment: Technology and Learning, Part Three: Technology and School Change.

M 9/30

Assignment: Cuban, Oversold and Underused: Chapters One to Three

Due: Research Project One

M 10/7 No Class Trinity Days

Assignment: “Conditions for Classroom Technology Innovations” by Zhao, Pugh, Sheldon and Byers. What’s In, What’s Out—An Analysis of State Education Technology Plans” by Zhao and Conway.

M 10/14

Assignment: Cuban, Oversold and Underused: Chapters Four to Six.

Topic Four: Issues Related to Access, Equity, and Opportunity

M 10/21

Assignment: Additional readings from Bromley, Education, Technology and Power.

Begin work on a proposal for your research project. You will need to schedule a meeting with me earlier in the week to discuss your ideas and formulate a plan for your study. Bring a plan to be discussed to our meeting.

M 10/28

Assignment: Additional readings from Bromley, Education, Technology and Power.

Due: Research Project Two

Topic Five: The Future of Educational Technology

M 11/4

Assignment: Additional readings from: Burniske and Monke: Breaking Down the Digital Walls.

M 11/11

Assignment: Additional readings from: Burniske and Monke: Breaking Down the Digital Walls.

M 11/18

Assignment: Additional readings selected from: Nelson, Tu, Technicolor: Race, Technology, and Everyday Life.

M 11/25 In Progress Presentation of Student Projects

Assignment: Presenters will be scheduled for each of these classes. Students who are not presenting will be asked to submit peer feedback on each of the presentations.

M 12/2 In Progress Presentations of Student Projects

Assignment: Presenters will be scheduled for each of these classes. Students who are not presenting will be asked to submit peer feedback on each of the presentations.

M12/16 Final Presentations of Research Projects and Peer Reviews.