

EDUC 482 - 4 Designs for Learning: Educational Uses of Computers

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Section: E1.00

Scheduled Final Exam: No

PREREQUISITE

Educ 401/402

COURSE DESCRIPTION

Recent developments in microelectronics have hastened the arrival of computers in the classroom. This course will examine the various ways that computers might influence the teaching-learning process and classroom management.

Students in this course will:

- a) develop competencies in the operation of microcomputers.
- b) develop skills related to the selection, evaluation and utilization of computer-based learning materials.
- c) develop an awareness of the ways computers can be used to support the instructional and administrative tasks of teachers.
- d) develop a critical awareness of the role of computers in society and the implication of this for education.

OBJECTIVES

This is an introductory course in which students will develop a level of computer literacy sufficient for the intelligent and critical utilization of existing microcomputer hardware and software. It is not a course designed to prepare teachers to teach computing science courses nor will it prepare teachers to write computer-assisted learning materials.

OUTLINE OF TOPICS

- 1. Operation of Microcomputers
- 2. Modes of computer utilization
- 3. Selection and utilization of software
- 4. Computer literacy

REQUIREMENTS

Course activities will consist of lectures, demonstrations, readings, and laboratories.

- 1. Lab Exercises 50%
- 2. Maintenance of an Internet Journal 20%
- 3. Implementation Project30%

READINGS

				REQ	REC
0-395-67305-4	Grabe & Grabe	Houghton Mifflin	<u>Integrating Technology for Meaningful Learning</u>	X	
0-13-239187-2	Ryder & Hughes	Prentice-Hall	<u>Internet for Educators</u>		X