Instructor: D. Bell

EDUC 482 - 4   Educational Uses of Computers

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Section: E1.00   **Scheduled Final Exam: No**

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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 Project 30%

READINGS   **REQ REC**

1-55013-615-1   Owen, Owston,& Dickie   Key Porter Books   The Learning Highway: A
                                                                  Student's Guide   X