SIMON FRASER UNIVERSITY
EDUCATION 482-4
DESIGNS FOR LEARNING: EDUCATIONAL USES OF COMPUTERS
D1.00

Regular Summer Semester, 1989
(May 8 – August 4)
Tuesday, 1:00 p.m. - 4:50 p.m.
Location: MPX 7500

Instructor: Evelyn Ng
Office: MPX 8676
Phone: 291-3642

PREREQUISITES: Education 401/402 or equivalent

GENERAL DESCRIPTION:

An introduction to the roles and applications of computers in education, and to problems of computer use in the classroom. Brief training is given on the operation of microcomputers, use of a sampling of exemplary programs, and the selection of educational software.

TOPICS:

- Use of computers in the classroom: concerns, expectations and confusions.

- Integration of educational software into the curriculum: exploration of types of software, and means of integration.

- Computer-assisted instructional materials: design, modification and evaluation.

- Programming applications in the curriculum: choice of languages, and consideration of approaches.

- Computer education: curriculum development and implementation.

- Computer-mediated communication in education: current possibilities.

COURSE ACTIVITIES:

Lectures, demonstrations, readings, and laboratory work.

EVALUATION:

- A paper documenting the design of an application of the computer to a selected curriculum area. (40%)

- A class presentation illustrating the use and limitation of a piece of educational software for a selected learning task. (30%)

- Short tests related to lectures, readings, and demonstrations. (30%)

TEXTBOOK:

Lockard, J., Abrams, P.D., & Many, W.A. (1987). Microcomputers for Educators. Toronto: Little, Brown and Company.