

**SIMON FRASER UNIVERSITY**

**EDUCATION 482-4  
DESIGNS FOR LEARNING: EDUCATIONAL USES OF COMPUTERS**

Fall Semester, 1990  
(Sept. 4 - Nov. 30, 1990)  
Tuesdays, 16:30 - 20:20 p.m.  
Location: MPX 8651

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

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**PREREQUISITE:** Educ 401/402, or equivalent

**DESCRIPTION**

The course is an introduction to the roles and applications of computers in education, and to problems of computer uses in the classroom. The following topics are covered:

Use of computers in the classroom: concerns and skills.

Use of software as tools: instructional and administrative applications.

Integration of software into the curriculum: evaluation and means of integration.

Programming applications in the curriculum: computer problem solving.

Electronic communication in education: current possibilities.

**COURSE ACTIVITIES**

Course activities will consist of lectures and discussions, demonstrations, readings, team projects and laboratory work.

**EVALUATION**

A term paper on selected computer applications in the classroom.

A class presentation evaluating a piece of software, demonstrating its uses in the classroom or an educational setting.

Short tests related to readings, discussions and demonstrations.

Laboratory exercises demonstrating computer operating skills.

**TEXTBOOK**

Lockard, J., Abrams, P.D., & Many, W.A. (1990). Microcomputers for Educators. Toronto: Little, Brown and Company.