

## EDUCATION 482-4

### DESIGNS FOR LEARNING: EDUCATIONAL USES OF COMPUTERS

Spring Semester, 1990  
Mondays, 4:30-8:20 p.m. (E1.00)  
Thursdays, 4:30-8:20 p.m. (E2.00)  
Location: MPX 8651

Instructor: Dr. Evelyn Ng  
Office: MPX 8676  
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#### 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 and laboratory work.

#### EVALUATION

A paper documenting the design of an application of the computer to a selected curriculum area.

A class presentation evaluating a piece of software, illustrating its uses and limitations for a selected learning or classroom administrative task.

Short tests related to readings, discussions and demonstrations.

Laboratory exercises demonstrating computer operating skills.

#### TEXTBOOK

Mandell, C.J., & Mandell, S.L. (1989). Computers in education today. New York: West Publishing Co.