

COURSE NUMBER: EDUC. 475-04

COURSE NAME: Designs for Learning:  
Mathematics

SEMESTER: Spring '76

#### CALENDAR DESCRIPTION

Planning for learning; creating learning environments; developing teaching strategies and materials.

#### COURSE INFORMATION

<u>Instructor</u>	<u>Dates</u>	<u>Day(s)</u>	<u>Time (s)</u>
J.V. Trivett	Jan.14-Apr. 7	W	4:30 - 8:20 p.m.

#### Range of Topics

The course is designed for teachers and prospective teachers of elementary and junior secondary school mathematics. The focus of the course will be on at least the following:

- use and selection of material and other aids in the teaching of mathematics
- humanizing the teaching of mathematics by utilizing the powers of children.

Each student will be expected to complete a term project and other such assignments as are agreed upon among the participants. Everyone will be encouraged week by week to work with children using what is being studied.

Topic-wise an intensive and extensive study will be made of these among others:

- whole number concepts
- operations (algebraic and arithmetic)
- fractions, decimals, percentages
- relations

#### Recommended Reading

B.C. Curriculum Guides for Mathematics - Grades K-6

What We Owe Children - C. Gattegno

Freedom to Learn - Biggs and MacLean

Games Children Play for Learning Math - J.V. Trivett

#### Required Text

The Common Sense of Mathematics Teaching - C. Gattegno