

COURSE NUMBER: EDUC. 475-4

COURSE NAME: Designs for Learning: Mathematics (Elem)

SEMESTER: Summer Session

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. McDowell	July 2 - Aug. 8	M, W F	11:30 - 2:20 10:30 - 12:20

Range of Topics:

Elementary School Mathematics:

- Awareness games for the very young
- Doing "real arithmetic"
- Mathematics as creative expression
- Mental arithmetic, applied arithmetic, procedures
- Intuitive geometry
- Role of the teacher in humanizing the teaching of mathematics

Recommended Reading:

- What We Owe Children, C. Gattegno
- The Common Sense of Teaching Mathematics, C. Gattegno
- Games Children Play for Learning Mathematics, J. V. Trivett
- Mathematics: A Human Endeavor, H.R. Jacobs
- B.C. Curriculum Guides for Mathematics, (Grades K - 6)

Requirements:

Each student will be expected to complete a term project and other assignments agreed upon by the participants.

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