

COURSE NUMBER: EDUC. 475

COURSE NAME: Designs For Learning: Mathematics

SEMESTER: Summer Session '76 (July - August)

COURSE INFORMATION

<u>Instructor</u>	<u>Dates</u>	<u>Day(s)</u>	<u>Times(s)</u>
David S. Fielker	July 5 - August 13	Tuesday	8:30 - 10:20 a.m. (lecture)
		Monday, Thursday	8:30 - 11:20 a.m. (elementary tutorial)
		Tuesday, Thursday	1:30 - 4:20 p.m. (secondary tutorial)

Range of Topics .

This will be determined by members of the course during the first sessions, but whichever mathematical topics are selected, it is intended to discuss as appropriate the hierarchy of concepts involved, suitable materials and activities, and underlying mathematical and psychological structures. We shall throughout examine the pedagogical reasons for learning mathematics, and the nature of mathematical activity, by considering mathematics at both child and adult levels.

Requirements

1. Adequate participation in the course.
2. Papers to be written during the course:
  - a) A mathematical investigation:
  - b) A discussion of the use of a <sup>ie</sup> piece of equipment;
  - c) A discussion of a mathematical topic in classroom terms.