

Designs For Learning - Mathematics (Elementary)

Instructor: Martin Hoffman

Time: Tuesday and Friday, 12:30 - 4:30
July 7th to August 15, 1980

Text: Trivett, ...And So On.

This course is designed for elementary school teachers, prospective or active, who wish to increase their basic understanding of the nature of mathematical activity, and explore the learning/teaching process as it applies to mathematics. Various topics of the elementary school curriculum will be examined both from a methodological perspective and from the viewpoint of the mathematics behind these topics.

The course will be operated in a workshop fashion with students having the opportunity to

- a) increase their knowledge of the uses of certain manipulative materials such as rods, geoboards, and so on ... , which lend themselves to the efficient study of mathematical questions.
- b) develop approaches to the teaching of mathematics in which students are given the responsibility for their own learning.
- c) explore techniques of classroom organization which increase instructional efficiency for all students.