Education 475-5

Designs for Learning: Mathematics

Spring 1977

Instructors: D. Owens

J. Sherrill

This course will focus on an analysis of the mathematics curriculum in grades K-7 and an application of psychological principles to create learning situations for mathematics. Attention will be given to the design of instruction for learning whole numbers and operations, rational numbers and operations, measurement and geometry topics in the elementary school.

Requirments: Two assignments (to be done in tutorial sessions with
children)

Midterm exam

Final exam

Texts: D'Augustine, C.H. Multiple Methods of Teaching Mathematics in the Elementary School.

Elementary School Series:

- Eicholz, R., et al., Investigating School Mathematics (grades 1-6)

- Dilley, C., et al., Heath Elementary Mathematics (grades 1-6)

- Elliott, H.A., et al. Project Mathematics (grades 1-6)

- Sobel, M. & Meletsky. Mathematics I (grade 7)

- Sobel, Meletsky, Hill. Essentials of Mathematics 1 (grade 7)

- Fleenor, C., et.al., School Mathematics I (grade 7)

Time and place: 4:30 - 8:20, Tuesday, January 11 - April 5. PDC 401