

Educ. 475 (79-2)

Elementary Mathematics

This course is designed for elementary school teachers, prospective or active, who wish to explore the fundamentals of the learning/teaching process as it applies to mathematics. The usual content topics of the elementary school mathematics curriculum will be examined both from a methodological perspective (eg. how do you teach fractions, or multiplication? and so on...), and from the viewpoint of the mathematics behind these topics (eg. what are fractions, what is multiplication? and so on ...).

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

- a) become familiar with and confident in using a variety of manipulative aids such as rods, logic blocks, geo-boards, and so on ,
- b) engage in discussion of the how and why of teaching mathematics,
- c) explore the realities of children's learning powers and learning patterns,
- d) practice subordinating their teaching to the learning of their colleagues.

Individual instructors will make known the requirements for their particular group(s) at the first meeting of the class.

TEXTBOOK: J. V. Trivett, . . . and so on: New Designs for Teaching Mathematics, Faculty of Education, SFU, 1977. These will be available from each instructor. Cost about \$2.00

INSTRUCTORS and GROUPS:

- 1) Sandy Dawson, Professor, SFU., (Ph. 291-3189)
IS group 03 M-W, 12:30-4:20
IS group 04 T-R, 12:30-4:20 (intersession courses)
- 2) Ken Harper, Teacher, Vancouver; currently a Faculty Associate, SFU.
EV group 01 W, 16:30-20:20 (semester long course)
- 3) Anita LoSasso, Teacher, Vancouver; former Faculty Associate, SFU.
SS group 05 T-F, 8:30-12:20 (summer session course)