

EDUCATION 475-4

Designs for Learning - Secondary Mathematics

Intersession 1978

Instructor: Dr. Harold Tribe.

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Time: Tuesdays and Fridays 12:30 to 4:30 May 9 to 16 inclusive.

12 sessions each of 4 hours.

Topics:

The specific class topics for this course will be taken from the British Columbia Curriculum Guide. The topics will be representative of mathematical categories; for example, representative topics from arithmetic, algebra, geometry and analytic geometry including Pythagoras' Theorem and trigonometry.

Procedure:

Generally the instructor will teach a representative lesson using a specific teaching technique. A different topic and a different technique will be considered at each meeting. Subsequent to the instructor teaching the lesson, a generalized outline of the procedure will be determined by the class. Each member of the class will then be asked to plan a topic using the procedure displayed.

Reading:

Text: Curriculum Guide Years One to Twelve: Mathematics 1977.

Each student will be asked to read 15 specific journal articles. The selection of these articles has been made to fill the topic gaps which classes have not been able to deal with.

Assignments:

8 topic plans  
1 mid-term quiz  
1 final examination.

HT:ca