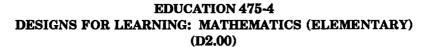
## SIMON FRASER UNIVERSITY



Fall Semester, 1991 Mondays and Thursdays

3:30-5:30 p.m.

Location: Northern Lights College

Fort Nelson, B.C.

Instructor: Allan Forsberg Phone: 774-4281, 774-2738

PREREQUISITE: Educ 401/402

#### **COURSE DESCRIPTION**

This course is designed for prospective and practising elementary school teachers. The broad goals of the course are:

- to help students explore the fundamentals of the teaching/learning process as it applies to elementary mathematics
- to help students feel more at ease with the subject of mathematics
- to help students relate mathematics to the world outside the classroom
- to help students become familiar with and confident in the use of a variety of manipulative aids
- to help students discuss and formulate their own rationale as to the how and the why
  of teaching mathematics
- to help students deal confidently with the prescribed curriculum
- to help students learn to plan mathematical instruction within a consistent framework

#### **TOPICS**

Planning to Teach
Using Curriculum Guides and resources
Problem Solving
Strategies and Activities
Number Theory
Number Operations
Estimation and Mental Computations
Measurement
Data Analysis
Geometry
Assessment, Evaluation and Remediation

# **EVALUATION**

Due dates and details will be discussed during the first session. Evaluation will be based upon the following criteria:

- attendance and participation
- completion and presentation of unit plans and teaching strategies
- review and comparison of textbooks and/or resources

### **TEXTBOOKS**

Post, Tom (ed.). <u>Teaching Mathematics in Grades K-8: Research Based Methods.</u>
Toronto: Allyn & Bacon. 1988.

Mathematics Grades 1-8 Curriculum Guide — 1987. B.C. Ministry of Education.