

**SIMON FRASER UNIVERSITY**  
**EDUCATON 475-4**  
**DESIGNS FOR LEARNING: MATHEMATICS (ELEMENTARY)**

Intersession, 1990  
May 10 - June 2  
Thursdays & Fridays 17:30 - 20:30  
Saturdays 8:00 - 15:00  
Location: Okanagan College, Kelowna

Instructor: Kanwal Neel  
Office: MPX 8637  
Phone: 291-3395  
MTS ID: Neel

---

**PREREQUISITE:** Education 401/402 or equivalent

**COURSE DESCRIPTION:**

Elementary mathematics can be stimulating for both teacher and student. Elementary mathematics curriculum will be presented through a variety of strategies and activities to promote interest and growth in the subject and reduce anxiety. A problem solving focus will be emphasized throughout the course.

Topics that will be covered:

- Problem Solving
- Curriculum Guides and Resources
- Strategies and Activities
- Number and Number Operations
- Estimation and Mental Computations
- Measurement
- Calculators and Computers
- Data Analysis
- Geometry
- Historical Topics and Algebra

**EVALUATION:**

Due dates and details will be discussed during the first session.

Evaluation will be based on the following:

- attendance and participation
- completion and presentation of unit plan with an activity
- one review of textbook or software

**REQUIRED TEXT:**

Mathematics Grades 1-8 Curriculum Guide 1987.