

**SIMON FRASER UNIVERSITY  
SUMMER SEMESTER 2006**

**EDUC 475-4  
DESIGNS FOR LEARNING: ELEMENTARY  
MATHEMATICS  
(D03.00)**

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Office Hours: Mondays 10:00-11:30  
Fridays 1:30-3:00

Monday 1:00-4:50 in EDB 7500B

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**PREREQUISITE:**

EDUC 401/402. Students who have credit for EDUC 475 prior to 2001-2 semester cannot take EDUC 475 for further credit.

**Calendar Course Description:**

Focuses on teaching elementary school mathematics. Students explore mathematical learning, their own mathematical thinking, and curriculum; and plan mathematical instruction within a consistent framework using appropriate instructional materials and methods.

**References & Resources:**

Van de Walle, John. "Elementary and Middle School Mathematics: Teaching Developmentally." 5th Edition  
British Columbia Ministry of Education (1996). Integrated Resource Package: Mathematics K-7  
Available on-line at <http://www.bced.gov.bc.ca/irp>

**Goal:**

The goal of this course is to provide junior and senior undergraduate students with insight into the nature, role and development of mathematical thinking, its relevance and importance, and various aspects of teaching and learning the subject. A major focus of this course will be on what it is to think mathematically and to enable teaching mathematics on that basis.

**Course Requirements:**

In addition to regular & punctual attendance and active participation in class, which is mandatory for

obtaining credit for this course, students will maintain a reflective problem-solving journal (50%). There will be a course project (30%) and a final examination (20%). Individually assigned work must be a result of your own individual effort.

**Course Syllabus:**

To be distributed and reviewed on the first day of class.

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**Return to Education's Undergraduate 2006-2 Course Outlines Main Page.**

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