

**SUMMER SEMESTER 2007 COURSE OUTLINE**  
**EDUC 475-4 (EDUCATION)**  
**DESIGNS FOR LEARNING: ELEMENTARY MATHEMATICS**  
**C100**

EDUC 475 is for prospective and practising elementary school teachers. It covers a wide range of issues concerning the teaching of mathematics to young children related to changes to the BC curriculum. Topics include foundations (what it means to understand math, what it means to do math, and the reform movement in math), basic concepts (early number concepts, place value, basic operations, whole-number computations, basic facts, number sense and estimation, measurement concepts, geometric concepts, and probability and data analysis), and practice (technology, problem solving, assessment, inclusion and diversity, and planning).

**PREREQUISITE(S):** EDUC 401/402. Students who have credit for EDUC 475 prior to 2001-2 semester cannot take EDUC 475 for further credit. Quantitative.

**TEXT(S):**

Van de Walle, J., and Folk, S. *Elementary and Middle School Mathematics: Teaching Developmentally (First Canadian Edition)* Pearson Education Canada (2005).

Students requiring accommodations as a result of a disability, must contact the Centre for Students with Disabilities (604-291-3112 or csdo@sfu.ca).

<b>REQUIREMENTS:</b>	Assignment 1	10%
	Assignment 2	10%
	Assignment 3	10%
	Assignment 4	10%
	Assignment 5	20%
	Portfolio	15%
	Journal	15%
	Online discussions	10%

**REQUIREMENTS NOTE:** Failure to submit any one of the assignments, the journal, or the portfolio could result in an automatic failure of the course.

Please note that some assignments will require working with children. Students who do not have their own classrooms must make arrangements to have access to a small number of children (perhaps 3 or 4) of the appropriate age group.

**DELIVERY MODE:** Print  
 FirstClass Computer Conferencing  
 (see over for computer requirements)

**MODE OF**

**DELIVERY NOTE:** n/a

<b>SUPPLEMENTARY FEES:</b>	Course materials and service fee	\$40.00
	Deposit for additional materials	\$0.00

*Note: Every distance course includes a CODE package containing assignment deadlines and other information. Please pick it up at the Centre or ask that it be mailed when registering on goSFU.*