

Simon Fraser University
Summer 2009
Education 475

(Prerequisite: EDUC 401/402)

Designs for Learning: Elementary Mathematics

Section E200, Thursday 5:30–9:20, EDB 8620F, Burnaby Campus

Instructor: Christian Berneche	Office Phone: 778-782-4117
E-mail: cbernech@sfu.ca	Office Hours: Tues. 3:00–5:00
E-mail for appointments	Office: EDUC 7508

Required Text: Van de Walle, John A. & Folk, S. (2008) Elementary & Middle School Mathematics (Second Canadian Edition). Pearson (Allyn & Bacon), (ISBN-13:9780205488391)

Course Description:

This course is designed for prospective and practicing elementary school teachers who wish to explore the fundamentals of the learning/teaching process as it applies to mathematics. The course will draw on the latest research in mathematics learning, and will show how such findings may be used in the classroom. Students will be expected to become familiar with and confident in the use of a variety of manipulative materials such as geo-boards, pattern blocks, and coloured rods as well as technology. They will also explore the realities of mathematical learning by examining their own learning powers and patterns. On completion of the course it is hoped that participants will feel more at ease with the subject of mathematics, be able to deal confidently with the prescribed curriculum, and be able to plan mathematical instruction within a consistent framework.

REQUIREMENTS

Students will be expected to attend all classes, and to participate fully in class work and discussions. Specific details will be discussed during our sessions.

EVALUATION:

Attendance/Active Participation in Class	15%
Assignments	35%
Planned Lesson	20%
Reflective Journal	15%
Portfolio	15%