

**SIMON FRASER UNIVERSITY
SUMMER INTERSESSION 2007**

**EDUC 416/476-4
DESIGNS FOR LEARNING: SCIENCE
(Elementary & Secondary)**

E02.00

Tuesday & Thursday 5:30-9:20 EDB 7500B

SUSAN TEED
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PREREQUISITE: EDUC 401/402

COURSE DESCRIPTION

**** One class will take place on Saturday, May 19th, 2007. ****

COURSE OBJECTIVES:

- students will examine their own beliefs about teaching science and carry out a personal inquiry
- students will challenge science teaching methods, study the latest strategies and propose ways to engage students
- students will build a repertoire of practical skills involving the discovery method (inquiry, problems approach)
- students will develop strategies that encourage participation of all students as well as promote critical thinking
- students will share their thoughts, ideas and experiences with their peers

ASSIGNMENTS AND EVALUATION:

1. Unit Plan (40%) Time will be given each week to work on this collaborative project.
2. Science Journal (30%) The journal will document an ongoing inquiry that takes place throughout the course. Students will be required to email electronic versions of their journal 3 times during the course.
3. Mini-presentations (20%) Students will present one engaging science activity during the course. This may be done independently or in small groups.
4. Participation (10%) Attendance is mandatory. Each missed class must be made up by completing an extra homework assignment.

Late assignments must be accompanied by a doctor's note.

REQUIRED READINGS:

Readings will be provided electronically so students must have email accounts and be prepared to access the Internet regularly.