

**SIMON FRASER UNIVERSITY
SUMMER SEMESTER 2004**

**EDUC 476-4
DESIGNS FOR LEARNING: ELEMENTARY SCIENCE
(E01.00)**

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**THURSDAY 17:30-21:20
EDB 8620**

PREREQUISITE: EDUC 401/402

DESCRIPTION

Course Objectives

- students will examine their own experiences and beliefs about learning.
- students will investigate and develop their own approaches to teaching Science as well as analyzing current research.
- 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.

Evaluation

Student evaluations will be based on the following:

- 15% Article Selection
- 15% Mini-Presentation
- 50% Action Research Design, Implementation and Final Document
- 10% Sharing Research
- 10% Participation

Assignments

NB: Late assignments will only be accepted with a doctor's note.

- 1) Article Selection 15% Students produce one academic article on the topic given by the instructor with an accompanying one-paragraph resume.
*To be turned in during the second class.

- 2) Mini-presentation 15% Group presentation which includes an activity and assessment
*Sign up during first class, to be completed in groups, division of responsibilities TBD by members.
- 3) Action Research 50% A full term project which requires work to be turned in at four intervals.
- 4) Sharing Research 10% An individual appointment will be set up with the instructor.
- 5) Participation 10% Students must make up missed classes with the instructor during office hours.

Readings

In place of a required text, students shall be responsible for photocopying 15 to 20 articles made available by the instructor.

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