

**SIMON FRASER UNIVERSITY
SUMMER SEMESTER 2009**

**EDUC 454-4
MEASUREMENT & EVALUATION IN ENVIRONMENTAL
EDUCATION
(D100)**

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Office Hours/Location: please email or call for an appointment

Thursday 8:30-12:20 in EDB 8620F
May 5 - July 30, 2009

PREREQUISITE: EDUC 401/402

COURSE DESCRIPTION

This course provides an introduction to environmental education, specifically in terms of qualitative and quantitative techniques used in environmental studies. Readings and activities will focus on ecological thinking and holistic approaches in environmental reasoning, with a view to constructing interdisciplinary approaches and activities for school curricula.

COURSE OBJECTIVES

Explore how mathematical reasoning impacts environmental curriculum and instruction
Participate in a stewardship training workshop/authentic environmental assessment that includes scientific, mathematical and socio-cultural perspectives
Develop environmental education lessons and activities that include mathematical reasoning
Critically examine different approaches to environmental education

REQUIREMENTS

This is a Pass/Fail course. To achieve a passing grade all assignments must be completed including weekly in-class activities and take-home projects. Projects include an individual "Environmental Me" assessment and a group "Community Involvement" project to be presented in class.

COURSE READINGS

Environmental Journalism home page <http://www.sej.org>
International Institute for Sustainable Development (IISD)'s information about sustainable development research, planning & action <http://iisd1.iisd.ca/>
Fraser River Action Plan PDF Report List http://www.rem.sfu.ca/FRAP/PDF_list

Additional readings will be distributed in class and via email.

Students in all Faculty of Education courses are encouraged to review policies pertaining to academic integrity available on the Undergraduate Programs website:

http://www.educ.sfu.ca/ugradprogs/student_resources/index.html