

Education 452-4 & 462-4
SUMMER INSTITUTE IN ENVIRONMENTAL EDUCATION

July 2 - July 26 (inclusive) Instructor: B. Jickling
Location: TBA

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In July of 1986, Simon Fraser University will offer its Summer Institute in Environmental Education. This will be a multidisciplinary program for teachers, other educators, and anyone interested in all aspects of human-environment interactions. It is offered in a total immersion intensive format to allow teachers and others with major time commitments in the summer to attend. This also makes possible extensive use of field trips and outdoor activities. The Simon Fraser Summer Institute in Environmental Education combines two 4 semester credit courses: Education 452 and Education 462. Students in the Professional Development Program may use the program for credit towards completion of Education 404.

Rationale

The Summer Institute is designed to familiarize the educator with the range of interpretations given to the term "environmental education." The course will lend itself to a multidisciplinary approach and should be of interest to educators of all subjects and grade levels. Extensive background in science or social studies is not required. Using the B.C. coastal environment, the course will examine many aspects of intrapersonal, interpersonal, and human-environment interactions. Understanding of "environmental education" will be further enhanced by exploring: 1. curriculum development as it relates to environmental education and, 2. student learning styles.

The field of curriculum is central to environmental education, and it is characterized by debate and conflicting theoretical positions. It is important for educators to understand the nature of this debate in order to effectively integrate, develop, and evaluate environmental education curricula with reference to their own teaching situation.

Educational use of the environment also provides educators with opportunities to vary their teaching styles. The Summer Institute will explore environmental education as a vehicle for the enrichment of student learning by examining variations in teaching styles and learning modalities.

Aims

1. To provide a variety of experiences in the outdoors designed to encourage the exploration of many aspects of human-environment interactions, and to familiarize educators with educative possibilities that can be developed and utilized in this environment.
2. To provide an overview of curricular interpretations of environmental education.
3. To enhance students' abilities to evaluate, integrate, and develop curricula for use in environmental education.
4. To explore contemporary perceptions of the environment and human-environment relationships.
5. To explore, through active participation and reflection, the potential roles played by environmental education in enriching

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1986

student learning by addressing variation in teaching and learning styles.

Content

1. Environmental education: an overview of the various philosophical theoretical and ideological approaches to environmental education.
2. Human-environment relationships: a contemporary overview.
3. Field experiences: activities may provide an end in themselves or a means to another end. The relationship between activities and objectives will be discussed. Backpacking, marine and coastal excursions, and introductory canoe tripping will be the major activities engaged in. Instruction in relevant techniques will be provided.
4. Trip planning: safety, responsibilities, and logistical considerations will be discussed and practiced.
5. Models of curriculum development: an analysis of various curriculum development models employed by outdoor/environmental educators.
6. Curriculum implementation: a discussion of strategies for curriculum evaluation, integration, and development.
7. Learning styles: exploration of the potential held by environmental education for enhancing variation in teaching styles and addressing differences in learning styles.

Format

This program is offered in an intensive, total immersion format. Instructional sessions will be held during the day, evenings, and on the weekends. Students, instructors and resource persons will frequently undertake field experiences.

Venue. The program will be offered at a coastal location in the summer of 1986. In 1985 the Institute was offered at Pender Harbour on the Sechart Peninsula (Sunshine Coast). Negotiations are now underway to offer The Institute at the same location in 1986.

Accommodation. Accommodation is offered at a secondary school in the district, with low-cost residence facilities during the month. (In 1985 residence fees were \$40.00 for the month). Students plan and prepare their own meals in "family" groups.

Field Activity Fee. To defray field transportation expenses during special trips by sea and land, students are assessed a field activity fee of \$35.00.

Application and Information. Students already enrolled at Simon Fraser University may apply by normal pre-registration as summer session students in Education 452/462.

All students must also complete the application questionnaire for the program. This application is available through Undergraduate Programs in the Faculty of Education. Telephone 291-3643.

Students not currently enrolled at Simon Fraser University must apply for admission to the University, and, once accepted, pre-register for the program.

APPLICATION QUESTIONNAIRE
SUMMER INSTITUTE IN ENVIRONMENTAL EDUCATION

- 1986 -

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NOTE: The information provided on this form is intended to help us plan a better program for students. In an intensive, field based program like the summer institute students contribute a great deal to each other. This form helps us to take advantage of your strengths and experience.

NAME: _____ AGE: _____

ADDRESS: (1) Permanent (2) Summer Semester Address
(if different from #1)

TELEPHONE: Home _____ Work _____

PRESENT STATUS:

PDP Student () 401/402 Completed () 401,402 & 405 ()
Completed

PDP Completed () SFU Undergraduate Student ()
Program: _____

Practising Teacher () Other: _____
Grade or Subjects: _____

Name of SFU Faculty Associate(s): _____

Academic (non-Education) Major(s) or Minor(s): _____

PLEASE INDICATE YOUR PREVIOUS EXPERIENCE WHICH MAY BE RELATED TO ENVIRONMENTAL EDUCATION, INCLUDING OUTDOOR EDUCATION, FIELD STUDIES, RECREATIONAL EXPERIENCES, URBAN STUDIES, INVOLVEMENT IN ENVIRONMENTAL ISSUES.

Special Certificates: _____

Driver's Licence Category: _____

PLEASE INDICATE SOME OF YOUR MAJOR PERSONAL/PROFESSIONAL GOALS FOR THE SUMMER INSTITUTE PROGRAMS.

PLEASE INDICATE SOME TOPICS, AREAS, SKILLS, ETC. WHICH YOU WOULD BE PREPARED TO TEACH/SHARE WITH OTHER PEOPLE IN THE SUMMER INSTITUTE PROGRAM.

DO YOU HAVE ANY SPECIAL LIFESTYLE REQUIREMENTS:
(ie: Health, Dietary, etc.)

PLEASE FEEL FREE TO ATTACH TO THIS FORM ANY OTHER INFORMATION ABOUT YOURSELF WHICH YOU FEEL WOULD HELP US TO ASSESS YOUR APPLICATION. RETURN THE FORM TO:

SUE STANIFORTH
SUMMER INSTITUTE IN ENVIRONMENTAL EDUCATION
FACULTY OF EDUCATION
SIMON FRASER UNIVERSITY
BURNABY, B.C. V5A 1S6

Summer Institute in Environmental
Education: Book Review

One of the tasks we will ask you to prepare for the Summer Institute is to read one of the following books dealing with current environmental issues, and human-nature interactions. The list below provides a wide range of readings, from well-known historical views which have shaped our attitudes towards nature, to works which prescribe the future of the human condition and the environment. The only choice criterion is that you must not have read the book before. We ask you to have the book read by the time the Summer Institute commences, so that you will be prepared to write a brief critique, using the parameters, ideas, and critical techniques that will be discussed and developed as the course progresses.

For those of you who may have difficulty obtaining or ordering some of the titles in your area, several addresses of Vancouver bookstores are provided below:

BANYEN BOOKS
2685 West Broadway
Vancouver, B.C.
V6K 2G2

DUTHIE BOOKS LTD.
919 Robson
Vancouver, B.C.

Phone: 732-7912

684-4496

Reading List

- Bateson, Gregory. 1979 Mind and Nature: A Necessary Unity
E.P. Dutton, N.Y., and Bantam Books, Toronto.
- noted researcher and author in biology, anthropology, psychiatry, and cybernetics, Bateson develops his theory of a "meta pattern" that connects every living thing on the planet, and interrelates evolution, mental processes, and Ecology.
- Dillard, Annie. 1974. Pilgrim at Tinker Creek. Pan Books, London.
- Pulitzer prize winning chronicle of the changing seasons at Tinker Creek, intensely and colourfully portrayed through Dillard's unique writing style. - a unique and sensitive perspective of nature.
- Leopold, Aldo. 1966 (3rd edition) A Sand County Almanac Ballantine Books, N.Y.
- an established environmental classic, beginning with a beautifully written description of nature's changes, Leopold explores the delicate ecological balance, and urges the adoption of a wilderness esthetic.
- Livingston, John A. 1981 The Fallacy of Wildlife Conservation
McClelland & Stewart Ltd., Toronto.
- leading naturalist, author, and co-writer of the recent CBC series "A Plant for the Taking". Livingston presents a critical dissection of the central assumptions and arguments behind the North American conservation movement. Highly provocative, as well as poetically descriptive.

Thomas, Lewis. (1978) The Lives of a Cell Notes of a Biology Watcher

(1980) The Medusa and the Snail

Bantam Books, Toronto.

- enjoyable, easily read collections of essays and ideas concerning many of the intricacies and mysteries of the natural world, and humans' intimate involvements and connections.

Evernden, Neil. 1985. The Natural Alient. Humankind and Environment

University of Toronto Press, Toronto, London.

- thoughtful and poetically written overview of environmental thought and advocacy, reviewing the assumptions and values of Western societies that form our basic perspectives of humans' "place" in the world. - an alternate view is proposed, a new understanding and concept of "self" in the environment.

Kohak, Erazim. 1984. The Embers and the Stars. A Philosophical

Inquiry into the Moral Sense of Nature. University of Chicago Press, Chicago, London.

- a comprehensive and sensitive philosophical essay, that denounces the western desanctification of nature and illustrates its connections with our arts and sciences.

Roszak, Theodore. 1979. Person/Planet. New York, E.P. Dutton,

Anchor Press.

E.O. Wilson. 1984. Biophilia Cambridge, Mass., Harvard Press

- well-known biologist and behaviorist Wilson's most recent views of human interactions.

Samples, Bob. 1976. The Metaphoric Mind. Menlo Park, C.A.

Addison-Wesley.

- the human brain and the metaphor as a way to sense and perceive our environment.

Turkle, Shelley. 1984. The Second Self - Computers and the Human Spirit.

- a perspective of computers in our society and environment, and human's interactions and reflections.

Toffler, A. 1983. Previews and Premises. N.Y., Morrow.

- classic Toffler; his basic views and premises spelled out in a clear, philosophical manner.

Vonnegut, Kurt. 1952, 1980. Player Piano. Dell Books, NY

- Vonnegut's humorous and powerful view of a "totally industrial" society.

Sperry, R. 1983. Science and the Moral Priority N.Y., Columbia University Press.

Sagan, Carl. 1977. The Dragons of Eden. - speculations on the Evolution of Human Intelligence. Ballantine Books, NY

Capra, F. 1982. The Turning Point. Bantam Books, N.Y.

- systems thinking and theory as applied to human and natural systems
- Science, society and the rising culture, a reconciliation of science and the human spirit.

Gould, Stephen Jay. 1985. The Flamingo's Smile. Reflections in Natural History W.W. Norton, N.Y.

Thoreau, H.D. Walden.

- arguably the major environmental classic of our time, which has influenced and shaped much present day thought and theory.

Carson, Rachel. 1949. The Silent Spring

- another classic environmental/conservation landmark, landed as the impetus for much of the environmental movement in North America.

Eiseley, Loren. 1978. The Star Thrower.

The Immense Journey

New York, New York Times Books.

Kohl, Judith and Herbert. The View from the Oak 1977. Sierra Club Books/Charles Scribner's Sons, San Francisco, N.Y.

- explores the many different worlds of other creatures on the planet; how they experience space, sense time, and communicate. - a fascinating new perspective on the world, through the senses of other animals.