

Semester 96-2 Session: Summer Session

Instructor: M. McClaren

EDUC 452 - 8 Environmental Education

Location: Kelowna (July 2 - July 25)

Monday to Friday 8:30 am - 4:20 pm

Section: D1.00

Scheduled Final Exam: No

Office: 8558mpc

Tel: 291-4151

Fax: 291-3203

E-mail: Milt_McClaren@sfu.ca

PREREQUISITE

Educ 401/402

COURSE DESCRIPTION

In the summer of 1996, Simon Fraser University will offer its Summer Institute in Environmental Education at its Kelowna Regional Centre. The Institute, now in its 25th year of offering, is intended to provide teachers and other educators with an opportunity to consider the educational opportunities and implications of human-environment interactions.

The institute is interdisciplinary in nature and will consider the environment through the perspective of the Natural and Social Sciences, Humanities, Economics, and the Arts. The Institute will also address educational programming from K-Adult levels.

Milton McClaren, Ph.D.

Associate Professor and Director, Field Relations and Teacher In-Service Education, S.F.U., Faculty of Education. Dr. McClaren has extensive experience with aspects of Environmental Education and has been a member of the Steering Committee of Project WILD (US), of the Man and the Biosphere Programme Committee of the Aspen Global Change Institute. In 1993, he was the recipient of the Minister's Environment Award in B.C.

OBJECTIVES

The Institute is offered as an intensive summer programme. It will commence on July 2, 1996 and will finish on July 25th. The course runs Mondays to Fridays from 8:30 am to 4:20 pm. The class may spend three days in residence at the field at the McQueen Lake Environmental Study Centre (near Kamloops) during week two of the course. Students enrolled in the Institute will have full use of the Macintosh Computer Lab at the Kelowna Centre during the Institute.

REQUIREMENTS

The Summer Institute in Environmental Education is a credit programme of the Faculty of Education at S.F.U. Students taking the Institute enroll for Educ 452-8, and will receive 8 semester hours of credit on successful completion. Regular course tuition fees apply, and there is an additional field activity fee of \$35.00. Students should apply to register as soon as possible, because enrollment will be limited.

Students who do not live in the South Okanagan Region can arrange to live in residence at the KLO Road Campus of Okanagan University College. Contact Andrea at 862-5422 for more accommodation information. Residence application forms are also available at the Undergraduate Programs Department, Faculty of Education.

READINGS TBA



Simon Fraser University. Faculty of Education.



The 25th Anniversary Summer Institute in Environmental Education.

In the summer of 1996 Simon Fraser University will offer its Summer Institute in Environmental Education at its Kelowna Regional Centre. The Institute, now in its 25th year of offering, is intended to provide teachers and other educators with an opportunity to consider the educational opportunities and implications of human-environment interactions.

The Institute is interdisciplinary in nature and will consider the environment through the perspectives of the Natural and Social Sciences, Humanities, Economics, and the Arts. The Institute will also address educational programming from K-Adult levels. The programme provides a full mix of field experiences, seminars, lectures, and hands-on activities in settings ranging from nature centres to the inner city.

The Teaching Team

Milton McClaren, Ph.D.

Associate Professor and Director, Field Relations and Teacher Continuing Education, Simon Fraser University, Faculty of Education. Dr. McClaren has extensive experience with all aspects of Environmental Education and has been a member of the Steering Committee of Project WILD (US), of the Man and the Biosphere Programme Committee of UNESCO Canada, and is currently a member of the Education Advisory Committee of the Aspen Global Change Institute. In 1993 he was the recipient of the Minister's Environmental Award in B.C. He is co-author of the Royal Society of Canada's Global Change Teachers Handbook and was a member of the authoring team for the BC Water Stewardship Program.

Bill Hammond, M.Sc.

President, Natural Context, Fort Myers, Florida. Bill Hammond is an internationally known environmental educator, a former member of the steering committees

of Project WILD and Project Learning Tree (US), a current member of the South Florida Water Commission, and a recipient of the Conservation Teacher of the Year Award from the National Wildlife Federation of the U.S. In 1994-95 he has been involved in the development of Project GLOBE, an international programme of education about global environmental change.

Kim Fulton, M.Ed.

Kim is Teacher-Librarian at Armstrong Elementary School, in Armstrong, B.C. He is well known for his work as Dr. Fish on the On-Line conferences offered by the Xchange Network and by the CLN. Recently he was coordinator of the B.C. Water Stewardship project and has also been active in the development of the Royal Society of Canada's Global Change Education program, Three Topics in Global Change.

The Teaching Team is supported by other resource persons who work with various segments of the programme. In previous years they have included many outstanding environmental educators including Kim Fulton, Brian Herrin, Rick Kool, Joanne Nicklas, Susan Close, Carl de Bruyn, and Michael Cohen., and Bob Samples

1996 Theme:

Environmental Education in a Changing Curriculum.

In the summer of 1996 the Institute will address the role of Environmental Education as a component of a changing K-12 provincial curriculum. The Institute will explore the EE connections to be found in the new IRP's for the sciences, social studies, language arts, mathematics, and other subjects. Particular attention will be paid to the integration of different subjects through environmental education themes and topics.



To Apply and Register.

The Summer Institute in Environmental Education is a credit programme of the Faculty of Education at S.F.U. Students taking the Institute enrol for Education 452-8, and will receive 8 semester hours of credit on successful completion. Regular course tuition fees apply, and there is an additional field activity fee of \$35.00. Students who have not previously attended SFU must apply for admission before registering. Former SFU students should apply to register as soon as possible, because enrolment will be limited.

Accommodation.

Students who do not live in the South Okanagan Region can arrange to live in residence at Berger Hall on the KLO Road Campus of Okanagan University College. Berger Hall is within walking distance of the SFU Regional Centre which also is located on the KLO Road Campus. Room rates vary depending on the type of accommodation chosen and range from \$275.00/month to 410.00/month. Further information can be obtained from KLO Student Housing, FAX 861 7018. Full information about clothing and equipment will be sent to students who are accepted into the programme.

Two Sessions in the Summer of 1996

The Institute is offered as an Intensive Summer programme. In 1996 the demand for the Institute has been so great that we expect to offer two sections, the first in July, from **July 2-July 25** inclusive, and the second section commencing **Thursday, August 1, and ending on Thursday, August 22. The August section will be offered subject to sufficient enrolment.** The first session (July) will spend four days in residence in the field at the McQueen Lake Environmental Study Centre (near Kamloops) during Week Two of the course (July 9-12). There will also be a four day field session during the second session in August, but the timing and location may be different. Students enrolled in the Institute will have full use of the Macintosh Computer

Lab at the Kelowna Centre during the Institute.

Students interested in this programme may contact Debbie Gray at 762 7600, Sally Lee at 291 3614 or the Field Relations and Teacher In-Service Education office at 291 3808 for further information.

Camping

Students who wish to consider camping as a means of accommodation during the Summer Institute are advised that suitable campsites are very limited in the Okanagan during the peak summer tourism season. It is not advisable to count on being able to camp either in tents or camper/trailers unless you have made full arrangements in advance and have checked out all details of the campsite prior to the beginning of the Institute.



Recommended Pre-Reading.

The Summer Institute is a very intensive, total immersion experience. We recommend that registrants do some prior reading before coming to the Institute. Of particular use will be:

- **Ecological Literacy**, by David Orr. (Albany, NY: State University of N.Y. Press.) 1992.
- **Ishmael**, by Daniel Quinn. NY/Toronto: Bantam (Turner). 1992.



OKANAGAN UNIVERSITY COLLEGE

NORTH KELOWNA CAMPUS
3180 College Way, Kelowna, BC V1Y 1V8
TEL: (604) 470-6050 / FAX: (604) 470-6051

KLO CAMPUS
860 KLO Road, Kelowna, BC V1Y 9K9
TEL: (604) 862-5422 / FAX: (604) 862-5423

RESIDENCE APPLICATION FORM

This application will only be processed if fully completed and submitted with payment of a non-refundable Application Fee of \$25.00 (payable only one time per academic year September 1 to August 31).

APPLICABLE SEMESTER (Check only one): FALL (Sep-Dec) WINTER (Jan-Apr) SUMMER (May - Aug)

I AM APPLYING FOR ACCOMMODATION FROM: (M/D/Y) ___ / ___ / ___ TO ___ / ___ / ___

OC STUDENT ID NUMBER: _____

MALE FEMALE

please print

SURNAME FIRST NAME NAME YOU GO BY

CONTACT ADDRESS

Street
City Province Country Postal Code Telephone

PERMANENT ADDRESS (if different than above)

Street
City Province Country Postal Code Telephone

Birthdate: (M/D/Y) ___ / ___ / ___

Do you want your name, room number and phone number made available for inquiries? Yes No

Are you a non smoker? Yes No Do you object to Smoking? Yes No

Have you applied or registered to be a student at Okanagan University College? Yes No

Major or Program Applied for: _____

What year of study will you be entering: 1 2 3 4

Have you ever lived in Okanagan University College residence? Yes No

If yes, which residence? _____, When? _____

ACCOMMODATION PREFERENCE

- Residence Fees are outlined in a separate Rule Sheet, which also describes the different accommodations listed below.
- First year students at North Kelowna will normally be housed in dormitory accommodation where participation in the meal plan is compulsory - see Meal Plan brochure. However, dormitory accommodation is not limited to first year students only.
- As a guideline to which campus you will be attending, please send the enclosed letter. It is your responsibility to ensure you are applying for the appropriate campus.

Please rank in order of preference the type of accommodation you wish to apply for (1 is most desirable). CHECK ONE CAMPUS ONLY

NORTH KELOWNA CAMPUS

SHILKAMEEN PLACE - BLDG A
Dormitory

MONASHKE PLACE - BLDG B
Quad Palm Apartment
Studio Suite Shared Apartment
(With requested roommate)

- OR -

KLO CAMPUS

SKAHIA PLACE
Pod
Studio Suite
Shared Studio Suite
(With requested roommate)

WHILE EVERY EFFORT WILL BE MADE TO PROVIDE YOU WITH YOUR REQUESTED ACCOMMODATIONS, WE MAY HAVE TO ASSIGN YOU TO AN ACCOMMODATION OTHER THAN YOUR FIRST CHOICE.

Additional comments you feel will be helpful in making your room assignment?

■ *Special room requests should be handled in person at the office.*

■ *Requested Roommates: All Residence Applications should be submitted stapled together with the Mutually Requested Roommate Agreement form (available on request at residence office).*

Who should OUC contact in an emergency?

Name: _____

Telephone: (____) _____ (Relationship to you? _____)

SOCIAL ACTIVITY LEVEL / PERSONAL HABITS

Please provide answers below to assist us in assigning you to a room which will be the most compatible to your lifestyle.

Do you plan to bring a Bicycle? Yes No

Would you like to serve on any Residence Committees? Events Social Sports

Do you drink alcohol? Yes No

Would you object if your roommate(s) drink? Yes No

What hobbies do you enjoy? _____

Medical problems or serious allergies? _____

Music objection types? _____

Music preference types? _____

Do you consider yourself: Quiet Average Noisy/Load

Would you prefer to be placed in a "Quiet Wing"? (Only at North Kelowna Campus) Yes No

Do you consider yourself a: Heavy Sleeper Light Sleeper Regular

What sports do you play? _____

Do you consider yourself a: Avg Student Serious Student Other

Do you study with Music/TV on? Yes No

Where will you do your studying? Bdrm Library Study Lounge

Do you plan to bring a: Car Truck Motorcycle

Driver's License # _____ Make/Yr _____ Model Plate # _____

APPLICATION GUIDELINES - Applications are treated in order of date received

SEMESTER	APPLICATIONS SHOULD BE IN HOUSING OFFICE BY	25% RESIDENCE FEES AND DEPOSITS DUE	BALANCE OF FEES DUE (10 working days before you occupy room)
WINTER (JAN-APR)	Mid November	Late November	Late December
SUMMER (MAY-AUG)	Request to Str. Res. Office ASAP
FALL (SEPT-DEC)	Late March	Early July	Mid August

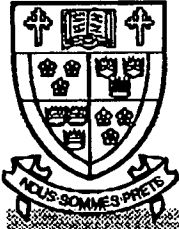
These dates do not apply to short term applicants who should apply as early as possible.

I understand that if I become a resident student, I agree with and will abide fully with the Rules of Residence and the Residence License Agreement which are published and amended by the Okanagan University College from time to time and available free of charge from the Residence office upon request. My non-refundable Application Fee of \$25 is attached and made payable to OUC Student Residence.

Signature of Applicant _____

Date _____

THIS FORM ALONG WITH YOUR APPLICATION FEE SHOULD BE RETURNED PROMPTLY TO THE APPROPRIATE ADDRESS (SEE PREVIOUS PAGE).



FAX Cover

Simon Fraser University
Kelowna Regional Centre
1000 KLO Road
Kelowna, BC V1Y 4X8

V: (604) 762-7600

Fax: (604) 861-4850

3 pages

Date: ~~Feb~~ March 1/96
To: Sally Lee Fax: 291-3203
From: Debbie Gray
Re: Accommodation Application Form

Notes:

Sally,

Following is the application form for Student Accommodation (Skaha Place) you requested.

Please note: phone # for Andrea at our re Skaha Place bookings has been changed to: 862-5422

Mills outline for EDUC 452-8 (Environ Ed.) should be completed by next week. I will send it to you as soon as I receive it —

SIMON FRASER UNIVERSITY

FACULTY OF EDUCATION

BURNABY, BRITISH COLUMBIA V5A 1S6
Telephone: (604) 291-3395Kelowna Regional Centre
1000 KLO Road
Kelowna, BC V1Y 4X8

April 25, 1996

Dear Summer Institute In Environmental Education Registrant:

This letter is intended to provide you with some added information regarding the Summer Institute in Environmental Education for this summer.

You are registered in Section 1, offered in July, from July 2, Tuesday, until July 25, Thursday, at the SFU Kelowna Tele-Learning Centre. The demand for the Summer Institute was so great this year that we are offering two sections of the course this year. The second section is in August, from August 1 (Thursday) until August 22, Thursday. It is also based at our Kelowna Centre. Please make sure that you are registered for the correct section. Because each section is full, we will not be able to accommodate switches between the two different sections, so please attend in the period for which you are registered.

People who need residence accommodation should apply to Okanagan University College to stay in Skaha Place, the residence at the South Campus of the College. This residence is located close to the SFU centre and is convenient to shops, local parks, and the beach. The college housing offers different sorts of living arrangements, ranging from private apartments to units with shared kitchens, at different price levels. In previous years they have been most helpful and the students at the institute have generally found the living situation to be acceptable. You should contact the OUC housing people directly in order to make arrangements. They may be reached at 604 862 5422, and the contact person is Emma. Some people have asked about the possibility of camping in the Kelowna area. I asked our site secretary to check into this and she advises that camp sites are very limited in the area, and those which are available are in high demand. Additionally, the provincial park campsites, which are very limited in the Kelowna area, have restrictions on the number of days which a person may stay. Thus, we are advising against the camping option for this programme.

The Summer Institute in Environmental Education is based at our Kelowna Regional Centre. This Centre, the Tele-Learning Centre, is located on the campus of Okanagan Regional College, South Campus, on KLO Road, in Kelowna. Please see the attached map for directions to the campus and to our building. Note: the college now has a second campus in Kelowna, the North Campus, located near the Kelowna Airport on the outskirts of town, off Highway 97, en route to Vernon. Please be advised that the SFU site is located on the South Campus, not the North Campus. Our building is a former construction camp so it looks like the traditional "portable" or "temporary" buildings. It has a large seminar room, a computer lab with Macintosh Ci computers networked to an

ethernet and linked to the Internet. We have a laser printer on the site, and photocopying services are in the building as well. While we will be crowded, the building and its environs have worked well for us in past summers, especially since we spend a great deal of time in the field.

Our site secretary, Debbie Gray, may be reached at 762 7600 (mornings). You may give people who may wish to reach you during July or August this number. Our Fax number is 861 4850 should you wish to get a FAX. As an SFU student you are eligible to have a campus computing Id. This will give you access to email. You should call SFU and request an account at Academic Computing Services, 291 3234 or 291 3976. If you are already enrolled at SFU please make sure you have an active student account and that you know your id and password when you come to the Institute. If you currently have a Community Learning Network account you will be able to send and receive email directly from our centre. If you wish to bring your own computer, you are welcome to do so: we have about 13 workstations in our Net in the building. We are a Macintosh lab, so if you use Windows, please bring the software, etc. that you want to use. While we can convert text files from Windows to Mac and back for printing, you may want to use more sophisticated software on your PC. Of course, we have direct Internet access and our machines are fitted with Netscape for the World Wide Web.

Okanagan College does have a library at each campus. Students in the summer institute have used the library at the college in past years and we expect this arrangement to continue this summer, but if you have books or other resources you wish to use or share with others, please bring them along. We will establish a resource room in our building during the Institute.

The Summer Institute is an intensive, total immersion experience. We will generally meet at the Centre at 0830 and break from our activities about 1530-1600 each regularly scheduled day. We may be in the field during the day, but we often meet at our building first and then car pool to avoid having too many cars in use. We let students establish their own car pool arrangements for field travel and generally drivers get assistance with gas, etc. in exchange for sharing their cars. Generally also people switch roles so that one person doesn't always have to drive. There is a large parking lot directly beside our building, and a parking lot at the residence as well. You may wish to bring a bike to the course, but you will want to store your bike in the residence when you are not using it. There is a shopping complex within easy walking or biking distance of the residence and our centre with a full range of shops including two large grocery stores (Save-On Foods and Coopers). There is a second shopping complex quite close to the SFU site with a produce market and a fish store. In the immediate area there is a variety of specialty shops and restaurants as well as a local pub. There is a community park and beach along Lakeshore Road, within biking or walking distance of the site as well.

During most weeks we will be involved in scheduled whole class activities on Tuesday-Wednesday-Thursday. We also offer optional or differently structured activities on Mondays and Fridays, and we sometimes use these days as open days for student group or individual projects. We generally arrange a system of student monitors to keep the site open on Saturdays and Sundays so that people can use the computer lab and other site facilities. (The site has its own security and alarm system which must be activated when we are all away from

the building.) Students in the Institute often arrange special field trips, games, events, discussions, etc. during the programme. These add greatly to overall experience and we certainly invite you to do likewise. If you have a skill, hobby, experience, etc. that you like to share with people, please come prepared to offer it should the opportunity present itself.

During one four day period of the programme, July 9-12 in session 1 we will be at the McQueen Lake Environmental Study Centre, located NW of the city of Kamloops. This Centre offers accommodation for us in log cabins. We take our own food, basic cooking and eating utensils, and a sleeping bag plus some sort of foam mattress or ensolite. You can drive right to the Centre so you don't need back packing gear, but you will need the sort of clothing, sleeping, cooking, and eating gear you'd take on a camping trip. We generally ask students to organise themselves into groups in order to plan meals and share cooking tasks and cooking equipment, coolers, etc. The McQueen Lake Centre has propane cooking ranges in a large mess hall, and there is well water on the site. While the accommodation is rustic it is very adequate and the site itself is superb for field work in fresh water, forest, and rangeland settings. So, you should plan to be away from Kelowna and the SFU site and residence for those four days.

Regarding clothing and equipment, we recommend comfortable outdoor clothing, including a light rain jacket and a hat, running shoes or light weight boots, and sunglasses. We walk a lot, so make sure you have well-fitted comfortable shoes. A small day pack will be very useful. You will likely want a camera, a flashlight, and a water bottle. Sun screen is advised, as is insect repellent or some form of insect protection. A clip board will be of value and a hard covered field note book may be good as well. We will be providing all students with a artist's notebook to use as a personal journal and we emphasise the use of the journal as a reflective and experiential tool. You may wish to bring a small set of water colours, felt markers, a ruler, coloured pencils, glue stick, and other art stuff according to your preference. While binoculars aren't required they are handy. If you have access to field guides such as Petersen's Field Guide to Western Birds, or any of the popular guides to plants of the Northwest, bring them along also. You may want to bring several towels and a bathing suit.

You should be advised that because we are often working in Nature Centres or Conservancy areas that dogs are not permitted. If you have a dog, please arrange to have him/her boarded or attended while you are at the Institute. When you arrive at the Centre we will give you a fairly detailed timetable so you can advise visitors or family members of your schedule and plan your/their time accordingly.

The Summer Institute in Environmental Education is an 8 semester hour, credit undergraduate course in the Faculty of Education. Some students are taking the course for graduate credit under separate arrangements. If you are taking the course for undergraduate credit the course number is Education 452-8. The Institute is graded on a Pass-Withdraw system, in the same fashion as Education 401/402/405 in the Professional Programme at SFU. There will be a variety of individual and group assignments and tasks during the course. Attendance and participation are required. We expect students to contribute to the experience of the programme for other students and for the instructional team members.

As pre-reading before the course we especially recommend the following:

1. Orr, David W. 1992. *Ecological Literacy*. Buffalo (NY): State University of New York. ISBN: 0-7914-0874-4
2. Quinn, Daniel. 1992. *Ishmael*. New York: Bantam/Turner. ISBN: 0-553-56166-9 (paperback)
3. Orr, David W. 1994. *Earth in Mind. On Education and the Human Prospect*. Washington (DC): Island Press. I-55963-294-1

If you have your own favorite books/reprints/articles, please feel free to bring them to the course to share with others.

This summer the Institute will be taught by a teaching team comprised of:

Milton McClaren, Associate Professor of Education and Director, Field Relations and Teacher In-Service Education, Simon Fraser University. Milton is a co-author of the Ginn Connections series of Environmental Education texts, a co-author of the *Global Change and Canadians Teachers Guide* for the Royal Society of Canada, senior author of the *BC Water Stewardship Handbook*, a past member of the Steering Committee of Project WILD (U.S.). He received the B.C. Minister's Environment Award in 1993.

Bill Hammond, Natural Context, Fort Myers, Florida. Bill is also a member of the South Florida Water Commission, a former member of the Steering Committee, Project WILD, US, and of the Steering Committee, Project Learning Tree, US. He was Conservation Teacher of the Year and has been recognised widely for his work in environmental education. For 35 years he taught in schools in New York and Florida and was Director of Environmental Education and Curriculum Services for the Lee County Schools in Ft. Myers, Florida.

Kim Fulton, Teacher Librarian, Armstrong Elementary School. Kim was coordinator of the BC Water Stewardship Programme, a co-author in the Royal Society of Canada's Global Change Education project, and a Pro-D Associate for the BCTF. He is widely known on-line as "Dr.Fish" and was the conference moderator for the Networking the Fraser project.

The team will be joined by a number of resource persons during the course of the Institutes.