



Office of Graduate Studies and Postdoctoral Fellows

Maggie Benston Student Services TEL 778.782.3042
Centre 1100 FAX 778.782.3080
8888 University Drive
Burnaby, BC
Canada V5A 1S6

report-dgs@sfu.ca
www.sfu.ca/Dean-
GradStudies

MEMORANDUM

ATTENTION Senate DATE 16 September 2014
FROM Wade Parkhouse, Dean of Graduate No. GS2014.12
 Studies
RE:

 Faculty of Environment

For information:

Acting under delegated authority at its meeting of May 5, 2014, SGSC approved the following new courses effective **Fall 2015**:

Faculty of Environment

New courses:

1. ECO 611-3 Concepts of Ecological Restoration and the Biological Environment
2. ECO 621-3 Graduate Seminars in Research Methods
3. ECO 622-3 Project Management and Policy for Ecological Restoration
4. ECO 641-3 First Nations & Social Perspectives of Ecological Restoration

A handwritten signature in blue ink, appearing to read 'W. Parkhouse'.



New Graduate Course Proposal Form

PROPOSED COURSE

Subject (eg. MAPH) ECO	Number (eg. 810) 611	Units (eg. 4) 3
Course Title (max 80 characters) Concepts of Ecological Restoration and the Biological Environment		
Short Title (appears on transcripts, max 25 characters) ER & Bio Environment		
Course Description for SFU Calendar <input type="checkbox"/> see attached document <input type="checkbox"/> Learning outcomes identified A review of general ecology, including theories relevant to the individual, the population, and the community, and their interaction and their relationship with the physical (abiotic) environment.		
Available Course Components: <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Seminar <input type="checkbox"/> Laboratory <input type="checkbox"/> Practicum <input type="checkbox"/> Online <input type="checkbox"/> _____		
Grading Basis <input checked="" type="checkbox"/> Letter grades <input type="checkbox"/> Satisfactory/Unsatisfactory <input type="checkbox"/> In Progress/Complete		This is a capstone course <input type="checkbox"/> Yes <input type="checkbox"/> No
Prerequisites (if any) <input type="checkbox"/> see attached document (if more space is required) Acceptance into the M.Sc. Program		
<input type="checkbox"/> This proposed course is combined with an undergrad course: Course number and units: _____		
Additional course requirements for graduate students <input type="checkbox"/> See attached document (if this space is insufficient)		
Campus at which course will be offered (check all that apply) <input checked="" type="checkbox"/> Burnaby <input type="checkbox"/> Vancouver <input type="checkbox"/> Surrey <input type="checkbox"/> GNW <input type="checkbox"/> _____		
Estimated enrolment 20	Date of initial offering September 2015	Course delivery (eg. 3 hrs/week for 13 weeks) 4 hrs/week for 15 weeks
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Practicum work done in this class will involve children or vulnerable adults (If the "Yes" box is checked, all students will require criminal record checks)		
Justification <input type="checkbox"/> See attached document (if more space is required) New course being developed for the proposed MSc in Ecological Restoration		

RESOURCES

If additional resources are required to offer this course, the department proposing the course should be prepared to provide information on the source(s) of those additional resources.

Faculty member(s) who will normally teach this course <input checked="" type="checkbox"/> information about their competency to teach the course is appended Jonathan Moore
Number of additional faculty members required in order to offer this course
Additional space required in order to offer this course <input type="checkbox"/> see attached document
Additional specialized equipment required in order to offer this course <input type="checkbox"/> see attached document
Additional Library resources required (append details) <input type="checkbox"/> Annually \$ _____ <input type="checkbox"/> One-time \$ _____

PROPOSED COURSE from first page

Program (eg. MAPH) ECO	Number (eg. 810) 611	Units (eg. 4) 3
Course title (max 80 characters) Concepts of Ecological Restoration and the Biological Environment		

APPROVAL SIGNATURES

When a department proposes a new course it must first be sent to the chairs of each faculty graduate program committee where there might be an overlap in course content. The chairs will indicate that overlap concerns have been dealt with by signing the appropriate space or via a separate memo or e-mail (attached to this form).

The new course proposal must also be sent to the Library for a report on library resources.

Once overlap concerns have been dealt with, signatures indicate approval by the department, home faculty and Senate Graduate Studies Committee.

Other Faculties

The signature(s) below indicate that the Dean(s) or designate of other Faculties affected by the proposed new course support(s) the approval of the new course.

Name of Faculty	Signature of Dean or Designate	Date

Departmental Approval (non-departmentalized faculties need not sign)

Department Graduate Program Committee	Signature	Date
Department Chair	Signature	Date

Faculty Approval

Faculty approval indicates that all the necessary course content and overlap concerns have been resolved, and that the Faculty/Department commits to providing the required Library funds and any other necessary resources.

Faculty Graduate Program Committee <i>Sean Markey</i>	Signature <i>[Signature]</i>	Date <i>June 6/14</i>
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Senate Graduate Studies Committee Approval

SGSC approval indicates that the Library report has been seen, and all resource issues dealt with. Once approved, new course proposals are sent to Senate for information.

Senate Graduate Studies Committee WADE PARKHOUSE	Signature <i>[Signature]</i>	Date <i>Sept 18/14</i>
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CONTACT

Upon approval of the course, the Office of the Dean of Graduate Studies will consult with the department or school regarding other course attributes that may be required to enable the proper entry of the new course in the student record system.

Department / School / Program FEnv	Contact name Sean Markey	Contact email spmarkey@sfu.ca
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Faculty of Environment

ECO 611

Program: Ecological Restoration

*Concepts of Ecological Restoration and the Biological Environment***Prerequisites:**

Course # Acceptance into the M.Sc. Program

Course is a prerequisite for:

ECO 622	Project Management & Policy for ER
ECOR 92200	Field Applications
ECOR 9210	Restoration of Terrestrial Ecosystems
ECOR 9220	Restoration of Aquatic Ecosystems
SFU	Electives 1 & 2
ECO 621	Graduate Seminars in Research Methods
ECOR 9300/9400	Applied Research Project 1 & 2

Hours/Week:	3	Lecture:	3	Labs		Total Hours:	45	Level:	M.Sc.
						Total Weeks:	15	s:	3

Course Description:

Ecology is the application of ecological principles to study and evaluate the effects and consequences of human activities on communities, ecosystems, landscapes, and the biosphere. These principles and concepts are being manipulated and managed to meet ecological restoration goals. This course will review general ecology, including theories relevant to the individual, the population, and the community, and their interaction and relationship with the physical (abiotic) environment. Further, we will consider those aspects of particular importance to ecological restoration. Case studies will be used to emphasize the link with these concepts and their application to ecological restoration. Ecological concepts and application with a specific emphasis on restoration will be emphasized in future courses. Field sessions outside of scheduled class time will be required.

Course Learning Outcomes

- Explain the concepts and principles of biological environment relevant to ecological restoration.
- Apply the concepts and principle in assessment and evaluation of degraded ecosystems
- Integrate the concepts and principle in design restoration activities.

Topics included:

- The individual:
 - bioenergetics, habitat selection, energy conservation, habitat structure and other physical attributes of habitat, Individual fitness, individual behaviour, adaptations and heredity,
 - natural selection,
 - migrations, travel corridors, dispersal;

- The population:
 - logistic growth curves, population dynamics, limited resources, population regulation,
 - fine filter approach (species-specific approaches) for managing populations;
- The community:
 - island biogeography & habitat fragmentation,
 - competition within and among species, predation,
 - invasive species management,
 - species area relationship, succession and trajectories,
 - structure and dynamics of major plant and animal communities (terrestrial, stream, lakes)
 - course filter (ecosystem approach) for managing biodiversity;
- The interconnectedness:
 - primary and secondary productivity,
 - invasive species,
 - biodiversity (genetic diversity, species richness, species density),
 - ecosystem decay.

Evaluation

Midterm exam	25%	Comments: Class participation is based upon class attendance, participation in discussions, and contribution to group projects
Final exam	25%	
Individual assignments	20%	
Group projects	20%	
Class participation	10%	
Total	<u>100 %</u>	

Text(s) and Equipment:

Required: Class handouts

Recommended:

Course Record:

Developed by: Jonathan Moore Date: December 15th, 2013
Authoring Instructor



New Graduate Course Proposal Form

PROPOSED COURSE

Program (eg. ECON) ECO	Number (eg. 810) 621	Units (eg. 4) 3
Course Title (max 80 characters) Graduate Seminars in Research Methods		
Short Title (appears on transcripts, max 25 characters) ER Grad Research Methods		
Course Description for SFU Calendar <input type="checkbox"/> see attached document <input type="checkbox"/> Learning outcomes identified An examination into the general philosophical foundations of science, the nature of scientific disputes, and the relevance of these to ecology. Topics covered include the following fundamental concepts: science, the scientific method, reliable knowledge, poor science, hypothetical-deductive approach, hypothesis testing and experimental design.		
Available Course Components: <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Seminar <input type="checkbox"/> Laboratory <input type="checkbox"/> Practicum <input type="checkbox"/> Online <input type="checkbox"/> _____		
Grading Basis <input checked="" type="checkbox"/> Graded <input type="checkbox"/> Satisfactory/Unsatisfactory <input type="checkbox"/> In Progress/Complete		
Prerequisites (if any) <input type="checkbox"/> see attached document ECOR 9100 - Concepts of ER & the Physical Environment; ECO 611 - Concepts of ER & the Biological Environment; ECOR 9110 - Planning & Monitoring for ER		
<input type="checkbox"/> This proposed course is combined with an undergrad course: Course number and units: _____		
Additional course requirements for graduate students <input type="checkbox"/> See attached document (if this space is insufficient)		
Campus at which course will be offered (check all that apply) <input checked="" type="checkbox"/> Burnaby <input type="checkbox"/> Vancouver <input type="checkbox"/> Surrey <input type="checkbox"/> GNW <input type="checkbox"/> _____		
Estimated enrolment	Date of initial offering	Course delivery (eg. 3 hrs/week for 13 weeks) 4 hrs/wk for 15 weeks
Justification <input type="checkbox"/> See attached document		

RESOURCES

If additional resources are required to offer this course, the department proposing the course should be prepared to provide information on the source(s) of those additional resources.

Faculty member(s) who will normally teach this course <input type="checkbox"/> information about their competency to teach the course is appended Leah Bendell
Number of additional faculty members required in order to offer this course
Additional space required in order to offer this course <input type="checkbox"/> see attached document
Additional specialized equipment required in order to offer this course <input type="checkbox"/> see attached document
Additional Library resources required (append details) <input type="checkbox"/> Annually \$ _____ <input type="checkbox"/> One-time \$ _____

PROPOSED COURSE from first page

Program (eg. MAPH) ECO	Number (eg. 810) 621	Units (eg. 4) 3
Course title (max 80 characters) Graduate Seminar in Research Methods		

APPROVAL SIGNATURES

When a department proposes a new course it must first be sent to the chairs of each faculty graduate program committee where there might be an overlap in course content. The chairs will indicate that overlap concerns have been dealt with by signing the appropriate space or via a separate memo or e-mail (attached to this form).

The new course proposal must also be sent to the Library for a report on library resources.

Once overlap concerns have been dealt with, signatures indicate approval by the department, home faculty and Senate Graduate Studies Committee.

Other Faculties

The signature(s) below indicate that the Dean(s) or designate of other Faculties affected by the proposed new course support(s) the approval of the new course.

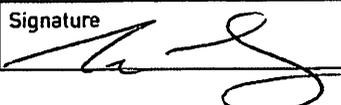
Name of Faculty	Signature of Dean or Designate	Date

Departmental Approval (non-departmentalized faculties need not sign)

Department Graduate Program Committee	Signature	Date
Department Chair	Signature	Date

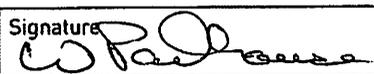
Faculty Approval

Faculty approval indicates that all the necessary course content and overlap concerns have been resolved, and that the Faculty/Department commits to providing the required Library funds and any other necessary resources.

Faculty Graduate Program Committee <i>Sean Markey</i>	Signature 	Date <i>June 6/14</i>
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Senate Graduate Studies Committee Approval

SGSC approval indicates that the Library report has been seen, and all resource issues dealt with. Once approved, new course proposals are sent to Senate for information.

Senate Graduate Studies Committee WADE PARKHOUSE	Signature 	Date <i>Sept 18/14</i>
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CONTACT

Upon approval of the course, the Office of the Dean of Graduate Studies will consult with the department or school regarding other course attributes that may be required to enable the proper entry of the new course in the student record system.

Department / School / Program FEnv	Contact name Sean Markey	Contact email spmarkey@sfu.ca
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Course Outline

Faculty of Environment

ECO 621

Program: Ecological Restoration

Graduate Seminars in Research Methods

Prerequisites:

ECOR 9100 Concepts of ER & the Physical Environment
 ECO 611 Concepts of ER & the Biological Environment
 ECOR 9110 Planning and Monitoring for Ecological Restoration

Course is a prerequisite for:

ECOR 9300/9400 Applied Research Project 1 & 2

Hours/Week:	Lecture:	Seminars	3	Total Hours:	45	Level:	M.Sc.
				Total Weeks:	15	s:	3

Course Description:

This course examines general philosophical foundations of science, the nature of scientific disputes, and the relevance of these to ecology. We will discuss some fundamental concepts including: science, the scientific method, reliable knowledge, poor science, hypothetical-deductive approach, hypothesis testing, and experimental design. This course is designed to strengthen critical thinking skills when reviewing current information and when formulating new activities in ecological restoration. This is a seminar-based course in which students present assigned readings, and then lead class discussions to help students develop their professional philosophy and critical thinking skills.

Course Learning Outcomes

Upon completion of this course, successful graduate students will be able to:

- Distinguish ecology from other endeavors and better identify "good" science,
- Develop reliable inquiries to generate reliable knowledge in ER,
- Critically review scientific literature and assess the scientific defensibility of the research,
- Generate your own scientifically-defensible research plan,
- Formulate and deliver higher quality verbal and written arguments,
- Demonstrate an ability to learn from other fields,
- Interact effectively as a part of a team exploring important issues.

Evaluation

Seminar presentation	25%	Comments: Class participation is based upon class attendance and full participation in discussion and seminars. Punctuality with assignment deadlines is also evaluated.
Assignments	50%	
Class participation	25%	
Total	100 %	



New Graduate Course Proposal Form

PROPOSED COURSE

Subject (eg. MAPH) ECO	Number (eg. 810) 622	Units (eg. 4) 3
Course Title (max 80 characters) Project Management and Policy for Ecological Restoration		
Short Title (appears on transcripts, max 25 characters) Project Management		
Course Description for SFU Calendar <input type="checkbox"/> see attached document <input type="checkbox"/> Learning outcomes identified An examination of project management in ecological restoration with an emphasis on managing uncertainty, risk assessment and communications. Reviews the legal system that governs use and protection of natural resources and the environment in Canada.		
Available Course Components: <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Seminar <input type="checkbox"/> Laboratory <input type="checkbox"/> Practicum <input type="checkbox"/> Online <input type="checkbox"/> _____		
Grading Basis <input checked="" type="checkbox"/> Letter grades <input type="checkbox"/> Satisfactory/Unsatisfactory <input type="checkbox"/> In Progress/Complete		This is a capstone course <input type="checkbox"/> Yes <input type="checkbox"/> No
Prerequisites (if any) <input type="checkbox"/> see attached document (if more space is required) ECOR 9100 - Concepts of ER and the Physical Environment; ECO 611 - Concepts of ER and the Biological Environment; ECOR 9110 - Planning and Monitoring for ER		
<input type="checkbox"/> This proposed course is combined with an undergrad course: Course number and units: _____		
Additional course requirements for graduate students <input type="checkbox"/> See attached document (if this space is insufficient)		
Campus at which course will be offered (check all that apply) <input type="checkbox"/> Burnaby <input type="checkbox"/> Vancouver <input type="checkbox"/> Surrey <input type="checkbox"/> GNW <input type="checkbox"/> _____		
Estimated enrolment 20	Date of initial offering September 2015	Course delivery (eg. 3 hrs/week for 13 weeks) 4hrs/week for 15 weeks
<input type="checkbox"/> Yes <input type="checkbox"/> No Practicum work done in this class will involve children or vulnerable adults (If the "Yes" box is checked, all students will require criminal record checks)		
Justification <input type="checkbox"/> See attached document (if more space is required) New course being developed for the MSc in Ecological Restoration		

RESOURCES

If additional resources are required to offer this course, the department proposing the course should be prepared to provide information on the source(s) of those additional resources.

Faculty member(s) who will normally teach this course <input type="checkbox"/> information about their competency to teach the course is appended Doug Ransome (BCIT)
Number of additional faculty members required in order to offer this course
Additional space required in order to offer this course <input type="checkbox"/> see attached document
Additional specialized equipment required in order to offer this course <input type="checkbox"/> see attached document
Additional Library resources required (append details) <input type="checkbox"/> Annually \$ _____ <input type="checkbox"/> One-time \$ _____

PROPOSED COURSE from first page

Program (eg. MAPH) ECO	Number (eg. 810) 622	Units (eg. 4) 3
Course title (max 80 characters) Project Management and Policy for Ecological Restoration		

APPROVAL SIGNATURES

When a department proposes a new course it must first be sent to the chairs of each faculty graduate program committee where there might be an overlap in course content. The chairs will indicate that overlap concerns have been dealt with by signing the appropriate space or via a separate memo or e-mail (attached to this form).

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Once overlap concerns have been dealt with, signatures indicate approval by the department, home faculty and Senate Graduate Studies Committee.

Other Faculties

The signature(s) below indicate that the Dean(s) or designate of other Faculties affected by the proposed new course support(s) the approval of the new course.

Name of Faculty	Signature of Dean or Designate	Date

Departmental Approval (non-departmentalized faculties need not sign)

Department Graduate Program Committee	Signature	Date
Department Chair	Signature	Date

Faculty Approval

Faculty approval indicates that all the necessary course content and overlap concerns have been resolved, and that the Faculty/Department commits to providing the required Library funds and any other necessary resources.

Faculty Graduate Program Committee <i>Sean Markley</i>	Signature <i>[Signature]</i>	Date <i>June 19/14</i>
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Senate Graduate Studies Committee Approval

SGSC approval indicates that the Library report has been seen, and all resource issues dealt with. Once approved, new course proposals are sent to Senate for information.

Senate Graduate Studies Committee WADE PARKHOUSE	Signature <i>[Signature]</i>	Date <i>Sept 18/14</i>
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CONTACT

Upon approval of the course, the Office of the Dean of Graduate Studies will consult with the department or school regarding other course attributes that may be required to enable the proper entry of the new course in the student record system.

Department / School / Program	Contact name	Contact email
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ECO 622

Program: Ecological Restoration

Project Management & Policy for ER

Prerequisites:		Course is a prerequisite for:	
ECOR 9100	Concepts of ER & the Physical Environment	ECOR 9300/9400	Applied Research Project 1 & 2
ECO 611	Concepts of ER & the Biological Environment	ECO 641	First Nation & Social Perspectives
ECOR 9110	Planning and Monitoring for Ecological Restoration		

Hours/Week:	3	Lecture:	3	Seminars	x	Total Hours:	45	Level:	M.Sc.
						Total Weeks:	15	s:	3

Course Description:

The first half of the course will start off with project management, including how to manage uncertainty in designing a project, decision-making tools, risk assessment, and communication. You will use quantitative methods of risk assessment and decision analysis to explicitly take uncertainty into account when making decisions in management of natural resources. Examples from management of forests, wildlife, fisheries, and water resources will be used to exemplify the processes. You will develop a communication approach to provide project partners information about uncertainties and resulting risks to project goals. The second half of the course will provide a practical introduction to the legal system that governs the use and protection of natural resources and the environment in Canada, including an overview of the law relevant to land use planning in British Columbia. We will examine several aspects of environmental and resource law, including the Environmental Protection Act, fisheries and forestry regulation, SARA, the BC Wildlife Act, and native rights. Overall, this course will provide you with knowledge and approaches to manage full ecological restoration programs, while meeting federal and provincial laws and policies.

Course Learning Outcomes

At the end of this course the student will be able to:

- Assess the fundamental role that uncertainties play in the observation and management of ecological restoration projects.
- Evaluate the nature, sources, and management implications of those uncertainties.
- Evaluate and interpret uncertainties using Bayesian statistics.
- Select methods for environmental risk assessment and risk management, using quantitative decision analysis.
- Evaluate future research priorities through estimating the value of research information.
- Design a communication plan to inform about uncertainties and risks to environmental managers, scientists, stakeholders, other members of the public.

- Evaluate a restoration plan that minimizes the risk of uncertainty, while adhering to provincial and federal policies and regulations.
- Assess when certain policies and regulations are relevant to a restoration activity.
- Develop a permit application for a specific restoration activity suitable for submission to BC's Permit and Authorization Service Bureau.

Course Handouts Evaluation

Weekly quizzes	20%	Comments:
Lab assignments	20%	
Midterm	25%	
Final exam	<u>35%</u>	
Total	100 %	

Text(s) and Equipment:**Required:****Recommended:**

Course Record:

Developed by: Doug Ransome Date: December 15th, 2013
Authoring Instructor



New Graduate Course Proposal Form

PROPOSED COURSE

Subject (eg. MAPH) ECO	Number (eg. 810) 641	Units (eg. 4) 3
Course Title (max 80 characters) First Nations & Social Perspectives of Ecological Restoration		
Short Title (appears on transcripts, max 25 characters) Social Perspectives of ER		
Course Description for SFU Calendar <input type="checkbox"/> see attached document <input type="checkbox"/> Learning outcomes identified An exploration of human-nature relationship from multiple perspectives to the practice of ecological restoration. Special emphasis on First Nations. Covers knowledge of ecological restoration and how to compromise among diverse perspectives, protocols.		
Available Course Components: <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Seminar <input type="checkbox"/> Laboratory <input type="checkbox"/> Practicum <input type="checkbox"/> Online <input type="checkbox"/> _____		
Grading Basis <input checked="" type="checkbox"/> Letter grades <input type="checkbox"/> Satisfactory/Unsatisfactory <input type="checkbox"/> In Progress/Complete		This is a capstone course <input type="checkbox"/> Yes <input type="checkbox"/> No
Prerequisites (if any) <input type="checkbox"/> see attached document (if more space is required) ECO 622 - Project Management & Policy for ER; ECOR 9110 - Planning and Monitoring for ER		
<input type="checkbox"/> This proposed course is combined with an undergrad course: Course number and units: _____		
Additional course requirements for graduate students <input type="checkbox"/> See attached document (if this space is insufficient)		
Campus at which course will be offered (check all that apply) <input checked="" type="checkbox"/> Burnaby <input type="checkbox"/> Vancouver <input type="checkbox"/> Surrey <input type="checkbox"/> GNW <input type="checkbox"/> _____		
Estimated enrolment 20	Date of initial offering Spring 2016	Course delivery (eg. 3 hrs/week for 13 weeks) 4/wk for 15 weeks
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Practicum work done in this class will involve children or vulnerable adults (If the "Yes" box is checked, all students will require criminal record checks)		
Justification <input type="checkbox"/> See attached document (if more space is required)		

RESOURCES

If additional resources are required to offer this course, the department proposing the course should be prepared to provide information on the source(s) of those additional resources.

Faculty member(s) who will normally teach this course <input type="checkbox"/> information about their competency to teach the course is appended Sean Markey; Dana Lepofsky
Number of additional faculty members required in order to offer this course
Additional space required in order to offer this course <input type="checkbox"/> see attached document
Additional specialized equipment required in order to offer this course <input type="checkbox"/> see attached document
Additional Library resources required (append details) <input type="checkbox"/> Annually \$ _____ <input type="checkbox"/> One-time \$ _____

PROPOSED COURSE from first page

Program (eg. MAPH) ECO	Number (eg. 810) 641	Units (eg. 4) 3
Course title (max 80 characters) First Nations & Social Perspectives of Ecological Restoration		

APPROVAL SIGNATURES

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Other Faculties

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Name of Faculty	Signature of Dean or Designate	Date

Departmental Approval (non-departmentalized faculties need not sign)

Department Graduate Program Committee	Signature	Date
Department Chair	Signature	Date

Faculty Approval

Faculty approval indicates that all the necessary course content and overlap concerns have been resolved, and that the Faculty/Department commits to providing the required Library funds and any other necessary resources.

Faculty Graduate Program Committee <i>Sean Markey</i>	Signature <i>[Signature]</i>	Date <i>June 6/14</i>
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Senate Graduate Studies Committee Approval

SGSC approval indicates that the Library report has been seen, and all resource issues dealt with. Once approved, new course proposals are sent to Senate for information.

Senate Graduate Studies Committee WADE PARKHOUSE	Signature <i>[Signature]</i>	Date <i>Sept 18/14</i>
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CONTACT

Upon approval of the course, the Office of the Dean of Graduate Studies will consult with the department or school regarding other course attributes that may be required to enable the proper entry of the new course in the student record system.

Department / School / Program FEnv	Contact name Sean Markey	Contact email spmarkey@sfu.ca
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Faculty of Environment

ECO 641

Program: Ecological Restoration

First Nations & Social Perspectives of ER

Prerequisites:

Course is a prerequisite for:

ECO 622 Project Management & Policy
 for ER
 ECOR
 ECER 9110 Planning and Monitoring for
 Ecological Restoration

Hours/Week:	3	Lecture:	2	Seminars	1	Total Hours:	45	Level:	M.Sc.
						Total Weeks:	15	s:	3

Course Description:

This course examines the human-nature relationship in terms of the practice of ecological restoration. This course explores multiple perspectives on ecological restoration, with an emphasis on working with First Nations and incorporating community values and preferences into restoration project processes and goals. The course integrates lectures, group discussions, and case studies to guide students to expand the scope of ecological restoration and consider how to develop plans that incorporate diverse perspectives and protocols. The course will review practices of ethical conduct and protocols for working within First Nations communities and other communities.

Course Learning Outcomes

At the end of this course the student will be able to:

- Analyze the multiple aspects/perspectives of ecological restoration, such as social value, aesthetics, economic factors, psychological/spiritual aspects.
- Examine the roles that communities of place, especially First Nations, may play in developing, initiating, and completing restoration activities.
- Assess issues affecting First Nations communities in BC and Canada.
- Adapt a restoration plan to balance various aspects/perspectives of ecological restoration.
- Develop a communication plan to engage effectively with communities and First Nations.

Evaluation

Lab assignments	20%	Comments:
Midterm	25%	
Final exam	35%	
Seminars/Presentations	25%	
Total	100 %	

Text(s) and Equipment:

Required: Class handouts

