



UNIVERSITY OF
ALBERTA



RENr 491- Land Use Planning in Canada's North

In Winter 2020, RENr 491 **Land Use Planning in Canada's North** is being offered at Yukon College as part of the Northern Environmental and Conservation Sciences, B.Sc. Program. All students registered in RENr 491 must adhere to the requirements outlined in this course syllabus. University of Alberta students must also be aware of, and adhere to, the University's Code of Student Behaviour, referenced in the outline.

INSTRUCTOR: Dr. Dan Paleczny
Adjunct Professor, University of Alberta
paleczny@ualberta.ca

OFFICE HOURS: by appointment

OFFICE LOCATION: n/a

TELEPHONE/E-MAIL: 867-333-1859

CLASS DAYS & TIMES: Tuesdays and Thursdays, 10:30 am –12:00 pm

CLASS LOCATION: A2601

COURSE DESCRIPTION:

This is the capstone course for the Northern Systems Major, providing students with a comprehensive overview of contemporary approaches to conservation and land-use planning, with focused applications to northern systems in Canada. Building on foundations, the course materials address the integration of social, environmental and economic values, and emphasizes maintenance of ecosystem integrity through proactive planning and management measures.

STUDENT LEARNING OUTCOMES AND COMPETENCIES:

Capstone courses synthesize knowledge and skills acquired over four years of a program. These courses are integrative and experiential and are generally taken in the final year of a student's program. Objectives for RENr 491 include:

- Integrating and building upon concepts, tools, information and knowledge from the Northern Systems major, and applying these to empirical problems and settings associated with conservation and land use planning in northern Canada.
- Exposing students to a diversity of perspectives representing a range of disciplines and considerations relevant to conservation and land use planning in northern Canada.
- Experiencing problem solving and project work through simulated planning and teamwork.
- Building knowledge and applying ethical conduct and professionalism in the pursuit of activities associated with conservation and land use planning.
- Demonstrating effective oral and written communication skills through classroom and group interactions, assignments, and presentation of a capstone project in a public venue(s).

Upon successful completion of this course students will be able to do the following:

- Understand land-use planning processes, challenges and opportunities in Canada's north.
- Understand the contexts in which planning is undertaken and how this affects processes.
- Think critically about the challenges and opportunities that occur in land-use planning and contribute solutions in a constructive manner.
- Contribute to the design and implementation of land-use planning processes in the work place.
- Bring forward creative approaches for engaging participants in planning processes.
- Know the roles of the many participants, including the role of the planner.

COURSE FORMAT (3-0-0):

This course consists of two 90-minute classroom sessions per week, which will include a mix of lectures, guest presentations, practical exercises and discussion. The course will take advantage of special learning opportunities that may arise during the course (e.g., attendance and participation in government and NGO consultations on planning exercises). Students may be expected to attend select events outside regular class time. A combination of lecture-based and participatory approaches will be employed. Discussion of required readings, interaction with guest lecturers, and student presentations will form important components of the class and of student evaluation. The course will be highly participatory and students are expected to actively engage and contribute to class discussions and term projects.

COURSE PREREQUISITES AND/OR CO-REQUISITES:

Enrolment and 81 credits at the university level in Yukon College/University of Alberta BSc in Environmental and Conservation Sciences degree program, or consent of the Department.

REQUIRED TEXTBOOKS/MATERIALS:

Students are required to purchase a hard copy of the following book, available through the Yukon College Bookstore: *Conservation Planning: Informed Decisions for a Healthier Planet*, by Craig R. Groves and Edward T. Game, 2016. Roberts & Company Publishers, Greenwood Village, CO, 580 pp.

Additional readings will be provided to students in digital format through the class website or through provision of web links to relevant materials. These materials will be drawn from a variety of sources, including textbooks, scientific articles and reports.

COURSE WEBSITE

A course website will be used to share lectures, assignments, readings and reference materials, gradings, and announcements about the course. It will be available via eClass (<https://eclass.srv.ualberta.ca/>).

UNIVERSITY OF ALBERTA ACADEMIC INTEGRITY AND CODE OF STUDENT BEHAVIOUR

Academic Integrity

The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (online at www.governance.ualberta.ca) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

Code of Student Behaviour

All students at the University of Alberta are subject to the Code of Student Behaviour, as outlined at:

<https://www.ualberta.ca/governance/resources/policies-standards-and-codes-of-conduct/code-of-student-behaviour>. Please familiarize yourself with it and ensure that you do not participate in any inappropriate behavior as defined by the Code. Key components of the code include the

following statements.

30.3.2(1) No Student shall submit the words, ideas, images or data of another person as the Student's own in any academic writing, essay, thesis, project, assignment, presentation or poster in a course or program of study.

30.3.2(2) c. No Student shall represent another's substantial editorial or compositional assistance on an assignment as the Student's own work.

PROFESSIONALISM AND CLASSROOM RULES OF ENGAGEMENT

Students are expected to attend all lectures and labs, be engaged and courteous in all course activities, and to be on time for class. Please notify the instructor in advance of class if you are unable to attend.

Adherence with the following policies will be considered as part of the participation grade:

- Cell phones are not permitted during class and should be disabled.
- Laptop computers may be used during class to record notes or research information for in-class practical exercises. However, out of respect for others, social media are not to be accessed during class.

COURSE REQUIREMENTS/EVALUATION:

Attendance and Participation

Attendance at class lectures is mandatory and a participation mark (10%) will be assessed based on attendance, adherence to the electronic device policy, and participation in discussions and group work.

Independent and Group Assignments

Three independent assignments associated with lectures, required readings, and case studies will comprise 45% of the final grade for this course. The Major Term Group Project will comprise 45% of the final grade allocation. Further information on the independent assignments and the group project is available in separate files on the class moodle site.

All assignments in the course must be completed by each individual student to pass the course. Late assignments will be penalized 10% for each day after the deadline.

The instructor will provide detailed marking schemes and guidelines for each main aspect of the course upon which students will be evaluated.

Precision and care in writing and presenting planning documents is an important professional standard. Accordingly, the overall quality of written assignments will be graded, on the following basis:

- It contains the title, assignment number, your name, course number, date and page numbers.
- It is well-written with proper grammar and spelling.
- It has consistent use of writing and referencing style. Students should be familiar with, and apply a style manual, such as the Harvard or Chicago style manual to ensure consistent punctuation, capitalization and referencing.
- It is a clean, professional looking document with consistent line spacing, headings, etc.

Oral presentations will also be graded, on the following basis:

- Quality and clarity of the presentation materials (noting the standards above for written assignments).
- Delivery style.
- Depth of knowledge, as reflected in the student's ability to field questions and elaborate on the topic.

Exams

There are no exams in this course.

Due Dates and Late Assignments

Written assignments are to be submitted in MS Word format, as an email attachment. They are due at midnight on the day indicated for each assignment and is considered late if it not received by this time. Extensions will not be granted. After this time, late assignments will be deducted 10% per day.

There are nine deadlines for the assignments and group project, as follows (see schedule at end):

- Three deadlines for the short independent assignments, as follows:
 - Assignment 1, Jan 21, 2020.
 - Assignment 2, Jan 30, 2020.
 - Assignment 3, Feb 11, 2020.
- Six deadlines related to the key steps in the Major Term Group Project as follows:
 - The team's workplan and equitable sharing of the work load is due Feb 25, 2020.
 - Tables of Contents for the report due Mar 5, 2020.
 - Draft report due Mar 30, 2020.
 - Draft presentation due April 2, 2020.
 - Presentation delivered on April 7, 2020.

- Final report due April 14, 2020.

Evaluation

The course grade will be determined as follows:

	Percent
Participation	10
Written assignments	45
Group project	45

Assignment of grades

The following table outlines how numerical course scores will be converted into course grades; specifically, the process by which the term marks will be translated into a final letter grade, consistent with the University of Alberta Assessment Policy and Grading Procedure. Grades reflect judgements of student achievement made by the instructor and may be based on a combination of absolute achievement and relative performance in a class.

Descriptor	Numerical Grade	Letter Grade	Grade Point Value
Excellent	95-100	A+	4.0
	90-94	A	4.0
	85-89	A-	3.7
Good	79-84	B+	3.3
	75-78	B	3.0
	71-74	B-	2.7
Satisfactory	67-70	C+	2.3
	64-66	C	2.0
	60-63	C-	1.7
Poor	55-59	D+	1.3
Minimal Pass	50-54	D	1.0
Failure	0-49	F	0.0

ELECTRONIC DEVICES:

See 'professionalism' above.

RECORDING OF LECTURES, LABS, ETC.:

Audio or video recording, digital or otherwise, of lectures, labs, seminars or any other teaching environment by students is allowed only with the prior written consent of the instructor or as a part of an approved accommodation plan. Student or instructor content, digital or otherwise, created and/or used within the context of the course is to be used solely for personal study, and is not to be used or distributed for any other purpose without prior written consent from the content author(s).

Please note that some classes in the B.Sc. Northern ENCS Program may be recorded using web conferencing software, and links to recordings may be posted on the class website.

YUKON FIRST NATIONS CORE COMPETENCY:

Yukon College recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, to graduate from ANY Yukon College program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see www.yukoncollege.yk.ca/yfnccr.

ACADEMIC ACCOMMODATION:

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon College Academic Regulations (available on the Yukon College website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, he/she should contact the Learning Assistance Centre (LAC): lac@yukoncollege.yk.ca.

SCHEDULE OR TOPIC OUTLINE -- See attached table

Key dates in winter 2020 term:

- Tues. Jan. 7 – first day of class for RENR 491
- Friday, Feb. 21 – no classes – Heritage Day
- March 16-20 – Reading Week – NOTE that this year, YC Reading Week is scheduled in March to coincide with the Arctic Winter Games.
- Last day of classes: Thurs. Apr. 16 – BUT NOTE that Tuesday, Apr. 14 and Weds. Apr. 15 will run on a FRIDAY schedule as replacement days for the Fridays lost to Heritage Day and Good Friday.

#	Date	Lecture, Key Dates, Assignment Deadlines
1	Jan 7	<p>Course Introduction</p> <ul style="list-style-type: none"> • Overview of the course, assignments, capstone group project • Canada's north—historical, political, social, economic and ecological context and perspectives <p>(Dan Paleczny, Course Instructor)</p>
2	Jan 9	<p>Conservation Planning: Why, How, What</p> <ul style="list-style-type: none"> • Types of planning; Six major themes for success (chapter 1) • Common land-use planning processes <p>(Dan Paleczny, Course Instructor)</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Briefing on Capstone Project</div>
Part I: Planning in Northern Jurisdictions and Areas		
3	Jan 14	<p>Planning in Canada's Northern Territories (Yukon, NWT, Nunavut)</p> <ul style="list-style-type: none"> • Status and processes; Successes, issues, challenges <p>(Dan Paleczny, Course Instructor)</p>
4	Jan 16	<p>Spatial Prioritization Tools</p> <ul style="list-style-type: none"> • Overview of C-Plan, Marxan, Zonation (chapter 7) • BEACONS • NW Boreal Landscape Conservation Cooperative <p>(Kim Lisgo, U of A. BEACONS)</p>
5	Jan 21	<p>Master Planning at Yukon Wildlife Preserve</p> <ul style="list-style-type: none"> • Visitor typology, levels of visitation, socio-economic and environmental benefits • Challenges • New master plan-Vision, mission, public engagement • Business plan and Implementation plan <p>(Jake Paleczny, Executive Director, YWP)</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Assignment 1 due</div>
6	Jan 23	<p>Harnessing Knowledge: Local Engagement through Mapping Resources and Human Uses</p> <ul style="list-style-type: none"> • Participatory mapping in Nunavut and Tanzania • Challenges, benefits, opportunities <p>(Erik Val, Consultant, former territorial and federal parks leader)</p>
7	Jan 28	<p>Planning in Northern Canada's Marine Environment</p> <ul style="list-style-type: none"> • Canada's northern marine context (legal, political, social, economic, environmental factors) • Successes, issues, challenges, lessons learned • Canada's new Tuvaijuittuq Marine Protected Area: Cost Benefit Analysis <p>(Bethany Schroeder, A/Team Leader, Oceans Management Program, Central and Arctic, DFO)</p>

#	Date	Lecture, Key Dates, Assignment Deadlines
8	Jan 30	<p>Aboriginal Land Planning</p> <ul style="list-style-type: none"> • Characteristics, challenges, opportunities • Evolving practices; Indigenous Protected and Conserved Areas • Traditional knowledge <p>(Steve Nitah, Consultant, former FN Chief, NWT)</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;">Assignment 2 due</div>
9	Feb 4	<p>Municipal Planning and Zoning</p> <ul style="list-style-type: none"> • LU designations, buffer zones; engagement • City of Whitehorse perspectives <p>(Mike Ellis, Planning Dept, City of Whitehorse)</p>
10	Feb 6	<p>Land Use Planning for Climate Change</p> <ul style="list-style-type: none"> • Vulnerability, adaptation • Nature-based solutions • (chapter 9) <p>(Kim Lisgo, U of A. BEACONS)</p>
11	Feb 11	<p>Planning for Ecosystem Services</p> <ul style="list-style-type: none"> • Types, methods, steps, critiques (chapter 10) <p>(Dan Paleczny, Course Instructor)</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;">Assignment 3 due</div>
12	Feb 13	<p>Designing Protected Area Systems and Sites</p> <ul style="list-style-type: none"> • Conservation biology design principles; Bioregional conservation approaches <p>(Dan Paleczny, Course Instructor)</p>
Part II: Methods in Planning		
13	Feb 18	<p>Working Session on Capstone Project</p> <ul style="list-style-type: none"> • Southeast Yukon, Liard First Nation <p>(Dan Paleczny, Course Instructor and Kim Lisgo, U of A. BEACONS)</p>
14	Feb 20	<p>Getting Started with Planning</p> <ul style="list-style-type: none"> • Identifying issues, values and interests (chapter 3 & other sources) • Structuring the process <p>(Dan Paleczny, Course Instructor)</p>
15	Feb 25	<p>Foundational Elements</p> <ul style="list-style-type: none"> • Gathering information (chapter 3 and other) • Setting plan goals/objectives, targets, indicators (chapter 3, 4) • Situational analysis, threat assessment (chapter 5) • Shifting baseline syndrome <div style="border: 1px solid black; padding: 2px; display: inline-block;">Capstone <u>Workplan</u> due</div>

#	Date	Lecture, Key Dates, Assignment Deadlines
		(Dan Paleczny, Course Instructor)
16	Feb 27	Yukon: The Peel Watershed <ul style="list-style-type: none"> • Planning process, Supreme Court challenge, lessons learned • Plan elements • Next steps, implementation (David Loeks, former Chair, Peel Land Use Planning Commission)
17	Mar 3	Framing Conservation Problems <ul style="list-style-type: none"> • Defining problems, generating options (chapter 6) • Theory of change and logic models • Predicting consequences, estimating threats and benefits (Dan Paleczny, Course Instructor)
18	Mar 5	Southeast Yukon Capstone Project <ul style="list-style-type: none"> • Structured team work (Dan Paleczny, Course Instructor and Kim Lisgo, U of A. BEACONS) <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;">Capstone <u>Table of Contents</u> due</div>
19	Mar 10	Accounting for Uncertainty and Risk <ul style="list-style-type: none"> • Developing scenarios vs alternatives (chapter 8) • Assessing risks (Dan Paleczny, Course Instructor)
20	Mar 12	Co-planning, Collaborative Planning, Consensus-based Planning <ul style="list-style-type: none"> • Rights-holders, stakeholders and public roles • Tools and techniques for dealing with conflict and managing your land-use planning process (Dan Paleczny, Course Instructor)
	Mar 17+19	Reading week
Part III: Implementing, Monitoring, Evaluating Effectiveness and Reviewing Plans		
21	Mar 24	Southeast Yukon Capstone Project <ul style="list-style-type: none"> • Structured team work (Dan Paleczny, Course Instructor and Kim Lisgo, U of A. BEACONS)
22	Mar 26	Evaluation Concepts and Approaches <ul style="list-style-type: none"> • Environmental impact assessment; Indicators, data collection and monitoring systems (chapters 11, 12) • IUCN management effectiveness • Theory of Change and logic models • Adaptive management

#	Date	Lecture, Key Dates, Assignment Deadlines
		(Dan Paleczny, Course Instructor)
	Mar 30	Capstone <u>Draft</u> Project Report due Mar 30
23	Mar 31	<p>Implementing the North Yukon Land-use Plan: Status, Successes and Challenges</p> <ul style="list-style-type: none"> Measuring and evaluating What is working and not working; Needs <p>(TBC-Manager of Regional Land Use Planning, Dept of Energy, Mines and Resources, Yukon)</p>
24	Apr 2	<p>Southeast Yukon Capstone Project</p> <ul style="list-style-type: none"> Structured team work; share draft presentations <p>(Dan Paleczny, Course Instructor and Kim Lisgo, U of A. BEACONS)</p>
25	Apr 7	<p>Capstone Presentations</p> <ul style="list-style-type: none"> Team members present to invited guests <p>(Dan Paleczny, Course Instructor and Kim Lisgo, U of A. BEACONS)</p>
26	Apr 9	<p>Land-use Planning in Review: Challenges and Opportunities for the Future</p> <ul style="list-style-type: none"> Enablers, challenges; Opportunities for the future (chapter 13) <p>(Dan Paleczny, Course Instructor)</p>
	Apr 14	Capstone <u>Final</u> Project Report due April 14