

# *Environmental* **DESIGN**

architecture + landscape architecture + planning

University of Calgary / Faculty of Environmental Design

The New North

A changing landscape perspective

EVDS 683.84 H(3-0)

Wednesday 9:10am – 12:20pm, PF 2110

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PF 2105, hours by appointment

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## Introduction

This is a special topics course addressing the environmental design challenges of Northern Landscapes and the implications of climate change for the future of Northern Landscapes. This course may be taken as an elective and it is specifically recommended for M2 MLA students enrolled in the EVDL 777 Design Research Studio who are planning to go on the Norway exchange To Tromso. The course covers the concepts of cultural landscape, social ecological system dynamics and resilience, indigenous communities, regional landscape change, and planning and design issues related to northern climate change projections for marine and terrestrial systems.

## Objectives – Course Learning Outcomes

The objectives of the course and learning outcomes are as follows:

- To acquire a basic knowledge of climate change effects on Northern Landscapes
- To understand the environmental design challenges of Northern Landscapes
- To acquire a basic knowledge of social ecological system dynamics and resilience
- To understand the issues facing northern communities affected by development and climate change.
- To acquire a basic knowledge of northern indigenous peoples sociocultural use of landscape.

## Teaching Approach

The course is organized around three broad topic areas: 1) environmental design challenges in northern environments, 2) Landscape change and 3) Northern Communities and resilience. Each topic area will be introduced by a lecture from the course instructor or guest speaker. Each course participant is expected to select an aspect of each of the four topics using the readings assigned to each topic. These selected aspects will developed into a design concept/response in a selected medium. Specifically, physical model, digital representation or other medium such as film or music. All student assignments will be presented in-class in seminar format for discussion and feedback. Presentations should demonstrate a critical argument and/or conceptual design intervention related to the aspect selected. **Examples from the Norway study abroad should also be used where applicable to address these three topic areas and related assignments.**

## **Content: Topic Areas & Detailed Class Schedule**

The course is organized around three key themes and assignments related to each theme that incorporate issue analysis and spatial and physical design synthesis. Students are expected to apply basic literature review skills, basic spatial analysis skills, and graphic representation and communication skills work in project work. The weekly course schedule is outlined below:

**PLEASE NOTE: This Schedule is subject to change due to unexpected and uncontrollable events.**

### **1. January 16, 2018 – FIRST CLASS**

- Review of Course Outline and Critical Dates during the Term

### **2. Week 2: January 23**

- Lecture on Environmental Design Challenges
- D2L Environmental Design Challenges Readings

### **3. Week 3: January 30**

- Assignment #1 (Environmental Design Challenges) DUE
- Class Presentations of Assignment #1

### **4. Week 4: February 6**

- Lecture on Landscape Change
- D2L Landscape Change Readings

### **5. Week 5: February 13 – NO CLASS – NORWAY Study Abroad Trip**

### **6. Week 6: February 20 – NO CLASS – NORWAY Study Abroad Trip and U of C Mid-Term Break.**

### **7. Week 7: February 27**

- Class discussion on relationship between Environmental Design Challenges and Landscape Changes D2L readings and Lectures and student experiences and observations on Norway trip.

### **8. Week 8: March 6**

- Lecture on Community Resilience and Design
- Assignment #2 (Landscape Change) DUE
- Class Presentations of Assignment 2
- D2L Community Resilience Readings

### **9. Week 9: March 13 – NO CLASS – EVDS Block Week and Norwegian Student Exchange Visit**

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### **10. Week 10: March 20 – LAST CLASS due to Instructor Surgery**

- Assignment #3 (Community Resilience) DUE
- Class Presentations of Assignment 3

## Means of Evaluation

Course evaluation will be based on for following three assignments to be completed during the term. There is no final examination in this course.

Each course participant is expected to select an aspect of each of the four topics and develop for class seminar presentation, discussion and feedback using the assigned readings, critical argument, and/or conceptual design intervention.

1. Environmental Design Challenges in Northern Environments	30%
2. Landscape change processes	35%
3. Community Resilience in Northern Environments	35%
<b>Total</b>	<b>100%</b>

**NOTE:** As per FGS and U of C regulations, students will informed of grades \*currently earned\* one week before the withdrawal deadline in all courses.

## Grading Scale

Final grades will be reported as letter grades, with the final grade calculated according to the 4-point range. Assignment grades will be evaluated as percentage grades, with their letter grade equivalents as shown.

Grade	Grade Point Value	4-Point Range	Percent	Description
A+	4.00	4.00	95-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	90-94.99	Excellent - superior performance showing comprehensive understanding of the subject matter
A-	3.70	3.50-3.84	85-89.99	Very good performance
B+	3.30	3.15-3.49	80-84.99	Good performance
B	3.00	2.85-3.14	75-79.99	Satisfactory performance
B-	2.70	2.50-2.84	70-74.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	65-69.99	All final grades below B- are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements.
C	2.00	1.85-2.14	60-64.99	
C-	1.70	1.50-1.84	55-59.99	
D+	1.30	1.15-1.49	50-54.99	
D	1.00	0.50-1.14	45-49.99	
F	0.00	0-0.49	0-44.99	

### Notes:

- A student who receives a "C+" or lower in any one course will be required to withdraw regardless of their grade point average (GPA) unless the program recommends otherwise. If the program permits the

student to retake a failed course, the second grade will replace the initial grade in the calculation of the GPA, and both grades will appear on the transcript.

- Students are expected to complete all course assignments on time. There will be no final exam.
- Students must obtain an overall passing grade to pass this course,
- A student who feels that a piece of graded term work (term paper, essay, test, etc.) has been unfairly graded may have the paper re-graded. The student shall discuss the work with the instructor within **fifteen days** of being notified about the mark or of the item's return to the class. More information can be found in the Graduate Calendar: <http://www.ucalgary.ca/pubs/calendar/grad/current/gs-o.html>

## Readings

- Assigned Readings will be posted on D2L for each of the three course themes.

## Supplementary Course Fees

2018/2019 Supplementary Fees have been approved for the following courses:

ARST 484/EVDA 580 - Studio I Design Thinking	\$150.00
ARST 444/EVDA 582 - Studio II in Architecture	\$150.00
EVDA 682.02 – Intermediate Studio	\$150.00
EVDA 682.04 - Comprehensive Arch. Studio	\$150.00
EVDA 782 - Senior Arch. Studio (all Calgary sections)	\$150.00
EVDL 667 – Landscape Architecture Studio I	\$150.00
EVDL 668 – Landscape Architecture Studio II	\$150.00
EVDL 767 – Regional Landscape Systems Studio	\$150.00
EVDL 777 – Senior Research Studio in Landscape Architecture	\$150.00
EVDS 620 – Urban Design Studio	\$150.00
EVDS 640 – Regional Planning Studio	\$90.00
EVDP 625 – Site Planning Studio	\$75.00
EVDP 626 – Landscape Planning and Ecological Design	\$100.00
EVDP 636 – Community Planning Studio	\$150.00
EVDP 644 – Advanced Professional Planning Studio	\$150.00

## Notes:

1. Written work, term assignments and other course related work may only be submitted by e-mail if prior permission to do so has been obtained from the course instructor. Submissions must come from an official University of Calgary (@ucalgary) email account.
2. Academic Accommodations. Students who require an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to their Instructor or the designated contact person in EVDS, Jennifer Taillefer ([jtaillef@ucalgary.ca](mailto:jtaillef@ucalgary.ca)). Students who require an accommodation unrelated to their coursework or the requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Vice-Provost (Student Experience). For additional information on support services and accommodations for students with disabilities, visit [www.ucalgary.ca/access/](http://www.ucalgary.ca/access/)
3. Plagiarism - Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Most commonly plagiarism exists when:(a) the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test),(b) parts of the work are taken from another source

without reference to the original author,(c) the whole work (e.g., an essay) is copied from another source, and/or,(d) a student submits or presents work in one course which has also been submitted in another course(although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved. While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism is an extremely serious academic offence. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis. Any suspicion of plagiarism will be reported to the Dean, and dealt with as per the regulations in the University of Calgary Graduate Calendar.

4. **Appeals:** If a student has a concern about the course, academic matter, or a grade that they have been assigned, they must first communicate this concern with the instructor. If the concern cannot be resolved with the instructor, the student can proceed with an academic appeal, which normally begins with the Faculty:  
<http://www.ucalgary.ca/provost/students/ombuds/appeals>
5. Information regarding the Freedom of Information and Protection of Privacy Act  
(<https://www.ucalgary.ca/legalservices/foip>)
6. Emergency Evacuation/Assembly Points  
(<http://www.ucalgary.ca/emergencyplan/assemblypoints>)
7. Safewalk information (<http://www.ucalgary.ca/security/safewalk>)
8. Contact Info for: Student Union (<https://www.su.ucalgary.ca/contact/>); Graduate Student representative(<https://gsa.ucalgary.ca/about-the-gsa/gsa-executive-board/>) Student Union Wellness Centre: <https://www.ucalgary.ca/wellnesscentre/>; Library Resources: <http://library.ucalgary.ca/> and Student Ombudsman's Office (<http://www.ucalgary.ca/ombuds/>).