

Instructor: Dr. Mary-Ellen Tyler
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PF 2105, hours by appointment

Fall 2017

Introduction

This course identifies landscape-oriented solutions to local and global issues of climate change, energy, and water problems through research and project proposals. Provides the opportunity to identify the most pressing local, regional, or international issues and develop solutions.

Objectives

- To acquire a basic knowledge of cross-scalar landscape change processes
- To understand the nature of regional climatic, hydrologic, and energy systems
- To acquire a basic knowledge of the potential role for design in climate change adaptation

Teaching Approach

The course focuses on four areas: regional landscape change, landscape responses to climate change, regional scale spatial landscape design adaptation, and projective landscape ecologies. A regional field trip and project site selection will assist in identifying and illustrating specific climate change and landscape change issues in Calgary's regional landscape. Each topic area will be presented in class and course participants will work through 4 assignments to explore the inter-relationships and synthesis among each of the four areas and present their work in class for discussion.

Topic Areas & Class Schedule

PLEASE NOTE: This Schedule is subject to change due to unexpected and uncontrollable events or class discussion and agreement.

WEEK 1: FIRST CLASS - Friday, September 15, 2017

- Review of course outline and schedule of important dates.
- Overview of Assignments (1 -4) and content sequence
- Sept 22 Regional Field Trip Agenda + Logistics
- Landscape Change and Climate Change at the Landscape level

WEEK 2: Friday, September 22

- **8:45am-4:30pm All day Regional Field Trip (please bring lunch, note books and cameras)**
- Project Site Selection Options

WEEK 3: Friday, September 29 - NO CLASS - Portland Studio Trip

WEEK 4: Friday, October 6

- **Assignment 1 Demonstration**
- Assignment 1 Tutorials

WEEK 5: FRIDAY, OCTOBER 13– NO CLASS – EVDS BLOCK WEEK

WEEK 6: Friday, October 20 – ASSIGNMENT 1 DUE

- **Assignment 1 Presentations**
- Swarm Theory and Network Lecture (Part One)

WEEK 7: Friday, October 27

- Assignment 2 Demonstration
- Assignment 2 Tutorials

WEEK 8: Friday, November 3

- Assignment 3 Demonstration
- Assignment 3 Tutorials

WEEK 9: Friday, Nov 10 – NO CLASS – U OF C MID-TERM BREAK

WEEK 10: Friday, November 17 – ASSIGNMENT 2 DUE

- **Assignment 2 Presentations**
- Landscape Connectivity and Pattern Lecture

WEEK 11: Friday, November 24 – Assignment 3 DUE

- **Assignment 3 Presentations**
- Design Intervention + Projective Ecologies Lecture

WEEK 12: Friday, December 1

- Assignment 4 Demonstration
- Assignment 4 Tutorials

WEEK 13: LAST DAY OF CLASS - Friday, December 8 *

- Assignment 4 work time and optional tutorials

***FINAL PRESENTATION OF ASSIGNMENT 4 WILL BE MONDAY, DECEMBER 11 FROM 12:30-4:30PM (Room location to be determined).**

PLEASE NOTE:

YOU ARE REQUIRED TO ATTEND THIS FINAL PRESENTATION. PLEASE MAKE SURE THAT YOU DO NOT MAKE ANY TRAVEL OR WORK-RELATED COMMITMENTS THAT WOULD CONFLICT WITH THIS SCHEDULED PRESENTATION DATE AND TIME.

Means of Evaluation

Course Evaluation will be on the 4 term assignments and will include written, graphic and verbal presentation of this work. The Assignments will be completed either individually or in groups of 2 or 3 with the permission of the Instructor. Assignments completed in groups of 2 or 3 shall normally receive a common grade. However, please note that the Instructor reserves the right to evaluate students individually if Assignment work is being distributed and completed in a manner that is not equitable and grading may be adjusted to reflect individual contributions if necessary.

There will be no final examination, but the Final Assignment 4 presentation will be on Monday, December 11 from 12:30-4:30pm as identified in the preceding weekly schedule.

Note: The breakdown of the grading for each Assignment is included in each Assignment Brief.

Assignment 1: Regional Site Selection + Landscape Analysis	20%
Assignment 2: Swarm/Network Analysis and Landscape Pattern	20%
Assignment 3: Landscape Connectivity	30%
Assignment 4: Design Intervention and Projective Ecology	<u>30%</u>
Total	100%*

***Please note that a passing grade is required in each of the 4 assignments in order to receive a passing grade in the course.**

Written components of course exercises are subject to evaluation and are expected to be at the graduate level writing standard as per the University's E.2 Writing Across the Curriculum statement: <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>);

Completed course assignments must be submitted to the Instructor by email (or D2L depending upon the size of the file) on the Due Dates in the course outline. Late work will not be accepted by the Instructor unless prior agreement with the Instructor has been made for medical reasons, compassionate grounds, or academic accommodation.

Course participants are expected to attend class and must attend field trips unless other arrangements have been made with the Instructor for medical reasons, compassionate grounds, or academic accommodation.

If class participants are absent from class for two consecutive classes without the agreement of the Instructor and for reasons other than medical, compassionate or accommodation reasons there will be a mandatory meeting with the Instructor and withdrawal from the course may be recommended depending upon the circumstances.

Course grades, as “currently earned”, will be provided upon request to students and no later than one week prior to the FGS withdrawal deadline for the course.

Grading Scale

Final grades will be given as letter grades, with the final course grade calculated according to the 4-point range.

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	

NOTE: 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.

A student who feels that any of the 4 course assignments has been unfairly graded may have the Assignment re-graded. However, the student must first discuss the work with the instructor within **fifteen days** of receiving the grade. Please see the Graduate Calendar for more information.

<http://www.ucalgary.ca/pubs/calendar/grad/current/gs-o.html>

Readings

There is no required textbook for the course. Materials related to the course lectures and exercises will be available as required from the Instructor.

D2L + Email Communications

You must use your “@ucalgary” email address to receive emails messages and related to course materials posted by the Instructor on the EVDL 639 D2L site.

NOTES – PLEASE READ!

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). 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/
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. Information regarding the Freedom of Information and Protection of Privacy Act (<http://www.ucalgary.ca/secretariat/privacy>) and how this impacts the receipt and delivery of course material
5. **Emergency Evacuation/Assembly Points** (<http://www.ucalgary.ca/emergencyplan/assemblypoints>)
6. **Safewalk information** (<http://www.ucalgary.ca/security/safewalk>)
7. Contact Info for: Student Union (<https://www.su.ucalgary.ca/contact/>); Graduate Student representative(<http://www.ucalgary.ca/gsa/>) and Student Ombudsman's Office (<http://www.ucalgary.ca/ombuds/>).