

Fall 2017

MTWF 2 – 5:50

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PF 3190, office hours by appointment

Introduction

An introduction to landscape planning and design at the regional scale. Particular emphasis on the interrelationships between biophysical systems (ie. ecological, geological) and anthropogenic (ie. social, political, economic) systems and processes as agents of landscape transformation, and determinants of form.

Objectives

1. To acquire a foundational knowledge of the history and theory of regional landscape systems from multidisciplinary perspectives.
2. To develop visualization skills in the communication of complex systems and processes acting upon and shaping the morphology of a landscape.
3. To understand design at the regional scale as a time-based strategy or process and the designer's role as a choreographer of "flows".
4. To develop the ability to apply regional scale systems logic to the design of a site, bridging between systems and structures.

Teaching Approach

The course is divided into five parts. It begins with a design precedent study to acquaint students with the theories and applications of regional landscape systems through both historical and contemporary works. The second part is the analysis, interpretation and communication of regional landscape systems through diagramming and cartography. The third part is a design investigation at the regional scale leading to the identification of strategic sites or nodes where multiple landscape systems converge. The fourth section will focus on the application of regional scale knowledge to the site scale, bridging between systems and structures, or forms and flows. The fifth and final part will be a synthesis or the stitching together of a cohesive conceptual narrative.

Content: Topic Areas & Detailed Class Schedule

The class will meet on Mondays and Wednesdays with Tuesdays and Fridays dedicated to design production. Students are expected to use this time effectively.

1. Week 1 (Sept. 11,13,15)

- Regional Landscape Systems Introductory Lecture – **Sept. 11**
- Assignment 1 Intro. – Regional Landscape Systems Study
- Field Exploration #1: Calgary to Chestermere via the Western Irrigation District Bicycle Path -**Sept. 15 2-5:50pm**

2. Week 2 (Sept. 18,20)

- Assignment 1 Due/Review – **Sept. 18**
- Assignment 2 Intro. – Cartography/Diagramming – **Sept. 18**
- Guest Lecturer: Justine Holzman, University of Toronto – Responsive Landscape Systems - **Sept 20 @ 2:15pm**

3. **Week 3 (Sept. 25,27,29)**
 - Studio Work Session
 - Guest Lecturer: Forbes Lipschitz, Knowlton School, Ohio State University – Industrial Agriculture – **Sept. 25 @ 3:15pm**
 - Meeting on Thurs. Sept. 28, (10-12)
 - Field Exploration #2 – UofA Mattheis Research Ranch, Brooks Crop Diversification Centre, **Sept. 29 – All Day Field Trip 8am-5pm**

4. **Week 4 (Oct. 2,4)**
 - Guest Lecturer: Sarah Karle, University of Nebraska – The Prairie Shelterbelt Project – **Oct. 2 @ 2:15pm**
 - Assignment 2 Due – **Oct. 4**
 - Assignment 3 Intro –Master Plan

5. **Week 5 (Oct. 9,11)**
 - Thanksgiving and Block Week – No Classes

6. **Week 6 (Oct. 16,18)**
 - Studio Work Session
 - Tawab at World Design Summit in Montreal
 - Students to submit PDF of progress work on Mon. Oct 16 @ 2pm for review.

7. **Week 7 (Oct. 23,25)**
 - Assignment 3 Due/Review – **Oct. 25**
 - Assignment 4 Intro - Focus

8. **Week 8 (Oct. 30, Nov. 1,3)**
 - Studio Work Session
 - Field Exploration #3: TBD – **Nov.3**

9. **Week 9 (Nov. 6,8)**
 - Studio Work Session

10. **Week 10 (Nov. 13,15)**
 - Studio Work Session

11. **Week 11 (Nov. 20,22)**
 - Assignment 4 Due/Review – **Nov. 20**
 - Assignment 5 Intro

12. **Week 12 (Nov. 27,29)**
 - Studio Work Session

13. **Week 13 (Dec. 4,6)**
 - Studio Work Session

14. **Week 14 (Dec.11) Final Review**

Means of Evaluation

The course evaluation will be based on the assignments completed during the term. While the product of studio work is important, equally important is the student's consistent and productive engagement in the design process, assessed through weekly desk critiques, class reviews, and/or final assignment presentations. Students are expected to be in attendance for the duration of each studio critique/work/review session. Late pinning up of work for studio reviews and/or late submission of work on D2L is not acceptable and will be subject to a deduction of one letter grade per late day. For example an A will be downgraded to an A-. Although work completed in a group or pair shall normally receive a common grade, the instructor reserves the right to evaluate students individually, if it appears that the work has been distributed unequally. Each component of the course must be completed and a passing grade of B- must be achieved on all assignments worth 20% or more in order to pass the course as a whole. There will be no final examination.

Evaluation Breakdown

Assignment 1 – Design Precedent Study (Historical and Contemporary)	5%
Assignment 2 – Cartography/Diagramming	25%
Assignment 3 – Master Plan	25%
Assignment 4 - Focus	25%
Assignment 5 – Synthesis	20%
Total	100%

Grading Scale

Assignments will be evaluated by letter grades. Final grades will be reported as letter grades, with the final 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	

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.

Studio Courses: 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, however, if a student fails any phase of the course worth 20% or more they will fail the 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

A complete reading list of electronic articles, available through the University of Calgary Library, will be posted on D2L, for each week of class. Some of the readings and assignment references will be taken from the recommended textbooks listed below, which will be on reserve at TFDL.

- Beardsley, John, editor. *Designing Wildlife Habitats*. Dumbarton Oaks, 2013.
- Berger, Alan. *Systemic Design Can Change the World*. Martien de Vletter SUN, 2009.
- Corner, James and Alex S. Maclean. *Taking Measures Across the American Landscape*. Yale University Press, 1996.
- Desvigne, Michel. *Intermediate Natures: The Landscapes of Michel Desvigne*. Birkhauser, 2009.
- Dramstad, Wenche E, et al. *Landscape Ecology Principles in Landscape Architecture and Land-Use Planning*. Harvard University Graduate School of Design & Island Press, 1996.
- Forman, Richard T.T. *Road Ecology: Science and Solutions*. Island Press, 2003.
- Hough, Michael. *Out of Place: Restoring Identity to the Regional Landscape*. Yale University Press, 1990.
- Luccarelli, Mark. *Lewis Mumford and the Ecological Region: The Politics and Planning*. The Guilford Press, 1995.
- MacKaye, Benton. *The New Exploration: A Philosophy of Regional Planning*. Harcourt, Brace and Company, Inc., 1928.
- McHarg, Ian. *Design with Nature*. Natural History Press, 1969.
- Reed, Chris, and Nina-Marie Lister. *Projective Ecologies*. Actar, 2014.
- Waldheim, Charles, editor. *The Landscape Urbanism Reader*. Princeton Architectural Press. 2006.
- Waldheim, Charles and Jill Desimini. *Cartographic Grounds: Projecting the Landscape Imaginary*. Princeton Architectural Press, 2016.
- Watts, May Theilgaard. *Reading the Landscape of America*. Macmillan Publishing Co. Inc., 1975.

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). 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/>).