

Environmental **DESIGN**

architecture + landscape architecture + planning

EVDL 777 F (0-8)

Faculty of Environmental Design / University of Calgary

2018 Winter

SENIOR RESEARCH STUDIO IN LANDSCAPE ARCHITECTURE

Teaching Team Beverly Sandalack (Course Manager), plus Mary-Ellen Tyler, George Harris, and guests

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Office location Sandalack PF 3102, meetings on request, otherwise university business hours

Introduction

This is a research-oriented project studio that explores contemporary themes in landscape architecture. It centres on a real-world problem or project; the analysis of issues and context; and the formulation of a comprehensive design solution involving advanced methods, techniques and practices.

This studio aims to explore the relationship between research and design and to further develop skills in landscape architecture. The studio approach involves documentation and analysis of landscape and cultural form and process, site planning, conceptualization and visualization of complex landscape issues, landscape planning and design. Issues including climate change, local and regional identity, and sustainability will inform studio work. We will consider environmental factors, social factors, urban structure, and place-making, and discuss the principles of good environmental design within the western Canadian context. The exercises and major project will enable students to explore various scales of landscape and urban systems and provide experience in evidence-based landscape planning and design.

Objectives

1. To further develop skills in site analysis, issue definition, concept development and design at multiple scales, building on those learned in previous studios and courses
2. to gain skills and knowledge in research methods
3. to further develop the ability to intervene meaningfully through design and to demonstrate more sophisticated knowledge and skills related to landscape architectural practice
4. to further develop skills in visualization, representation and presentation

Teaching Approach

This course follows a studio format, supplemented with site visits, lectures, and reviews of work. Each class period is to be considered a working session, with teaching and learning taking place through discussions of the work in progress. Students are expected to attend each session, and to present and discuss their ideas as they evolve. Development of exercises and projects will require additional time in addition to the assigned class period. Guest lecturers and reviewers will augment the teaching team. Through the studio sessions, and with a series of inter-related exercises as instruments, students will gain experience in documenting, analyzing and understanding environmental form and process, and in formulating design concepts and strategies.

DRAFT Class Schedule (note that this schedule is tentative and may be revised)

Week 1 (week of January 8)

Course introduction

Teaching team, teaching approach, course objectives
Research approaches and methodologies
*Introduction of the site – **Re-Imagining Deadman's Flats***
Begin documentation and analysis (group)

Week 2 (week of January 15)

Site visit – date to be determined, weather dependent
Continue documentation and analysis (group)

Week 3 (week of January 22)

Continue documentation and analysis (group)
Friday – Review – Site and Context Analysis Worth 15%
Definition of issues (group and individual)

Week 4 (week of January 29)

Development of proposal to address selected issue (individual)

Week 5 (week of February 5)

Monday - **Review - Individual Proposals Worth 15%**
(incl. definition of issue, approach, methodology, work plan, proposed deliverables)
Note: Norway field course students away from February 7
(any students not participating in field course will have a related assignment this week)

Week 6 (week of February 12)

Norway Field Course
(any students not participating in field course will have a related assignment this week)

Reading Week (week of February 19)

Block Week – no classes

Week 7 (week of February 26)

Reflections on Norway workshop and time off during block week
Revisions to proposal if required
Development of individual work
(research, conceptual development)

Week 8 (week of March 5)

Friday - Progress pin up

Week 9 (week of March 12)

Friday – Pre-Charrette Review – individual work Worth 15%

Guests join the studio for +/-2 week period starting Friday

Week 10 (week of March 19)

Guests work with students for +/- 2 week charrette

Week 11 (week of March 25)

Wednesday Review – conclusion of charrette with guests Worth 25%

(Friday is Good Friday – stat holiday)

Week 12 (week of April 2)

Individual work

Site-specific design / details / models

Week 13 (week of April 9)

Individual work

Site-specific design / details / models

Prep semester's work for review

Classes end April 13

Reviews (week of April 16)

Final review Monday or Tuesday (final date/time tba) Worth 30%

Means of Evaluation

Evaluation will be based on the elements listed below. There will be no final examination. Assessment will be done on the basis of day-to-day performance as well as on the quality of work presented at reviews. While the *product* of studio work is important, equally important is the student's ability to develop a practical, appropriate and coherent planning and design *process*. Students are expected to be in attendance for the entirety of each studio period.

Each component of the course must be completed, and a passing grade (i.e. minimum B-, or the 4-point or percentage equivalent) achieved, in order to pass the course as a whole. Because the studio work is evaluated during the interim and final reviews, all work must be completed on time, and all students must take part in the presentations and reviews. Late pinning up/submission of material to be presented in studio reviews is not acceptable (grades will be deducted for work pinned up or submitted later than the deadline specified in the course/project brief or as discussed in class). Most work will be completed individually, however, some exercises may be completed as pairs or small groups. Students will receive a common grade for work done in pairs or groups. Attendance is expected - marks will be deducted for unexcused absences. Engagement is also expected as a requirement for progress in design, and is characterized by active involvement in the work and discussions.

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|---|-------------|
| 1. Site and Context Analysis – group/individual component | 15 |
| 2. Proposal – individual | 15 |
| 3. Mid review | 15 |
| 4. Design development – Charrette | 25 |
| 4. Final review | 30 |
| Total | 100% |

Grading Scale

Final grades shall be reported as letter grades, with the grade point value

| 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: include notes as appropriate, edit as per guidelines sent with this template: 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 X% 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

Students are strongly encouraged to become familiar with the following. Other readings will be assigned during the course.

Demeng, M.Elen, Simon Swaffield (2011) *Landscape Architectural Research: Inquiry, Strategy, Design* (Wiley)
 Fairbrother, Nan (1970) *New Lives, New Landscapes* (New York: A. Knopf)
 Friesen, Gerald (1984) *The Canadian Prairies: A History* (University of Toronto Press)

Hough, Michael (1994) *Cities and Natural Process* (Routledge)
 Hvattum M, Kampevoid Larsen J, Brenna B, Elvebakk B (2011) *Routes, Roads and Landscapes* Ashgate.
 Jackson, J.B. (1970) *Landscapes: Selected Writings of J. B. Jackson*, ed. E.H. Zube (Amherst: U Mass. Press)
 Jackson, J.B. (1984) *Discovering the Vernacular Landscape* (New Haven: Yale University Press)
 Lynch, Kevin (1976) *Managing the Sense of a Region* (Cambridge, Mass.: MIT Press)
 McHarg, Ian (1969, 1994 reprint) *Design With Nature* (New York: Doubleday)
 Norberg-Schulz, Christian (1979) *Genius Loci: Towards a Phenomenology of Architecture* (NY: Rizzoli)
 Rees, R. (1988) *New & Naked Land - Making the Prairies Home* (Saskatoon: West. Prod. Prairie Books)
 Zeisel, John (1984) *Inquiry by Design: Tools for Environment-Behaviour Research* (Cambridge University Press)

Special Budgetary Requirements

Project sites will be possible to reach by private vehicle, and site visits will be coordinated. Required base maps and air photos will be provided, or will be available from the SANDS Centre or on-line, and any additional information and associated costs will be at the discretion of the student. Students should have basic drawing tools (pencils, a small selection of markers, scales, sketch rolls, other paper, a small cutting mat, knife, and drafting tape, and a small selection of pencil crayons will be useful). Some costs for plotting, printing, and model-making should be anticipated, as per the typical studio practice.

Mandatory:

The University has approved supplemental fees for the following courses:

2017/2018 SUPPLEMENTARY COURSE FEES

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|--|----------|
| 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 777 - Senior Research Studio in Landscape Architecture | \$150.00 |
| EVDS 620 - Urban Design Studio | \$150.00 |
| EVDS 640 - Regional Planning Studio | \$90.00 |
| EVDP 626 - Landscape Planning and Ecological Design | \$100.00 |
| 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 (jtallefer@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/>).