

Environmental DESIGN

architecture + landscape architecture + planning

Temporality: Urban Processes and Patterns (Portland, Oregon)

Fall 2018, F(0-16)

EVDS 620: Urban Design Studio

EVDA 782.01: Senior Architecture Design Studio

Faculty of Environmental Design, University of Calgary

Mon, Tue, Wed, Fri 2-6 pm

Instructors: Dr. Enrica Dall'Ara (MLA), enrica.dallara@ucalgary.ca
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Dr. Fabian Neuhaus (MPlan), fabian.neuhaus@ucalgary.ca
TA: TBD

INTRODUCTION/TEACHING APPROACH

This interdisciplinary senior studio focuses on the design of a sustainable community (residential, employment, commercial, and cultural/institutional) for a brownfield waterfront site in Portland, Oregon. Portland has gained an international reputation since the 1970s as a progressive city that has innovated in many areas including limiting growth, developing transit oriented communities, district revitalization, sustainable infrastructure, and high-quality urban design. This senior studio will allow students in the MArch, MLA, and MPlan programs to work in teams (of 3 students) on a complex urban design scheme, where students will produce community plans and developed aspects of the plans. Topics could include: waterfront revitalization, densification, diversifying function, optimizing transit, developing green infrastructure, urban agriculture, environmental factors, alternative typologies, integrating ecologies, green space systems design, etc. Students are expected to participate in a visit to Portland, scheduled for September 17-20, 2018.

This studio, while developing skills, is also seen as being a site for discovery through analysis and process. The studio will explore the nature of contemporary urban design, with respect to program, site analysis, cultural and social forces, technology, ecology, etc. The course is a studio course with an emphasis on visual representation techniques for documenting, analyzing, designing, and presenting; Students are expected to use a variety of media in their design development. The studio will involve the integration of research, readings, field trips, lectures, precedent studies, etc. Handouts will be given out during the term as required.

OBJECTIVES – COURSE LEARNING OUTCOMES

1. To understand the principles of sustainable urban design, with an emphasis on innovative urban form and high quality public realm, and to understand the inter-relationship between architecture, public space, and infrastructure in cities.
2. To develop and refine urban design skills and processes for dense, mixed-use, and highly complex urban environments.
3. To demonstrate an ability in relevant drawing, modeling, and presentation skills. To learn representational methods.
4. Understand how critical observation, analysis, and experimentation apply to urban design processes.
5. To learn to work effectively in interdisciplinary teams.
6. To learn about urban design approaches as practiced in Portland.

CONTENT: TOPIC AREAS AND CLASS SCHEDULE (Refer to Detailed Course Schedule)

ANALYSIS Phase 1 (Sept. 7-14, 2017), Course Introduction.

- Friday, Sept. 7: Course Introduction.
 - o Course outline and structure.
 - o Outline of visit to Portland – Sept. 17-20.
 - o Select interdisciplinary groups of maximum 3 students (1 MArch, 1 MLA, and 1 MPlan).
 - o Refer to handout.
 - o Watch video of Portland.
- Tuesday, Sept. 11: Lectures by instructors: recent urban design history; structures and processes; urban ecology.
- Data gathering on Portland, Oregon.
- Select and research relevant representational and process precedents.
- Complete Matrix 1.
- Required Readings:
 - o Alexander, C., "A City is Not a Tree," *Architectural Forum*, Volume 122, No. 1 (April 1965): 58-62.
 - o Kullmann, K., "Thin Park/Thick Edges: Towards a Linear Park Typology for (Post)infrastructural Sites," *Journal of Landscape Architecture*, Volume 6 (2): 70-81.
 - o Latour, Bruno, "On actor-network theory. A few clarifications plus more than a few complications," *Soziale Welt*, Vol. 47 (1996): pp. 369-381.
 - o Nijhuis, S. and D. Jauslin, "Urban Landscape Infrastructures: Designing Operative Landscapes for the Built Environment," *Research in Urbanism Series*, 2015, Volume 3(1): 13-34.
 - o Perec, G., "The Street," in *Species of Spaces and Other Pieces* (London: Penguin, 1997), 46-56.
 - o Sorkin, Michael. 1998. "Essay: Eleven Tasks for Urban Design." *Perspecta*, Volume 29: 22-27.
 - o Wall, Alex, "Programming the urban surface," in James Corner, ed., *Recovering landscape: Essays in contemporary landscape architecture* (New York: Princeton Architectural Press, 1999), 233-249.

NOTE: All readings are available online through the University of Calgary Library.

ANALYSIS Phase 2 (Sept. 17-20), Site Visit to Portland

- Four day visit to Portland, Oregon including meetings with representatives from the City of Portland, Portland State University, local practitioners, etc. (see schedule).
- Complete assignments in Portland: site documentation, urban transect, and urban space study.

ANALYSIS Phase 3 (Sept. 24-Oct.2), Research, Documentation, and Analysis

- Comprehensive site documentation and analysis as per Matrix 1 and Representation Precedent.
- Program scenario developed and analyzed.
- Review: Tuesday, October 2.

PROGRAMMING Phase (Oct. 2-12)

- Lecture.
- Refer to Handout.
- Complete Matrix 2.
- Thanksgiving: Monday, Oct. 8.
- Review, Friday, October 12.

Block Week: October 15-19

FLAWS Phase (Oct. 22-Nov. 2)

- Lecture.

- Refer to Handout.
- Complete Matrix 3.
- Review, Friday, November 2.

FORM 1 Phase (Nov. 5-Nov.23)

- Refer to Handout.
- Complete Matrix 4.
- Review, Friday, November 23.

Fall Break: November 12-16

FORM 2 Phase (Nov. 26-Dec. 7)

- Refer to Handout.

FINAL PRESENTATION

- Final Review, December 10-13. Date to be determined.

MEANS OF EVALUATION

Evaluation will be based on the project phases. Some of the work will be completed in groups and some individually (see below). Students will receive a common grade for work done in groups, unless it is clear to the instructors the balance of work has been unfairly distributed between team members. Class participation is a key component of the grade and will be evaluated based on attendance to class, studio, and group work. Any anticipated absence should be communicated to the teaching team as soon as possible.

ANALYSIS Phase			20%
Transect	Group	5%	
Public Space Study	Individual	5%	
Matric/Mapping	Group	10%	
PROGRAMMING Phase	Group		15%
FLOWS Phase			20%
Assignment 1	Group	10%	
Assignment 2	Individual	10%	
FORM 1 Phase	Group		20%
FORM 2 Phase	Individual		15%
FINAL PRESENTATION	Group		10%
TOTAL Group			70%
TOTAL Individual			30%

Late submission of work is not acceptable; grades will be deducted for work submitted later than the deadline specified in the assignment brief or as discussed in class. One grade will be deducted per late day for example an A will be downgraded to A-.

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 or group fails any two phases of the course totalling 30% 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 assignment 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>

GRADING SCALE

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	

SPECIAL BUDGETARY REQUIREMENTS

There is a mandatory \$150.00 supplementary fee approved by the University for this course.

CACB STUDENT PERFORMANCE CRITERIA (for MArch students only):

The following CACB Student Performance Criteria will be covered in this course at a primary level (other criteria will be covered at a secondary level):

A2: Design Skills; A3: Design Tools; A4: Program Analysis; A5: Site Context and Design; A6: Urban Design; A8: Design Documentation; B1: Critical Thinking and Communication; B5: Ecological Systems.

RECOMMENDED READINGS

- Allen, S., *Points + Lines, Diagrams and Projects for the City*.
 Banis, D. and H. Shobe, *Portlandness: A Cultural Atlas*.
 Boelens, L., *The Urban Connection: An Actor-relational Approach to Urban Planning*.
 Bullivant, L., *Masterplanning Futures*.
 Calthorpe, P., *The Next American Metropolis*.
 Calvino, I., *Invisible Cities*.
 Chermayeff, S. and Alexander, C., *Community and Privacy*.
 Corner, J., ed., *Recovering Landscape: Essays in Contemporary Landscape Architecture*.
 Cranz, G., *The Politics of Park Design: A History of Urban Parks in America*.
 Dornie, David, *Architectural Drawing*.
 Erickson, D., *MetroGreen: Connecting Open Space in North American Cities*.
 European 7, *Suburban Challenge: Urban Intensity and Housing Diversity*.
 Farr, D., *Sustainable Urbanism: Urban Design with Nature*.
 Farrelly, L., *Drawing for Urban Design*.
 Fleming, S., *Cycle Space*.
 Forman, Richard T.T., *Urban Ecology: Science of Cities*.
 Gatje, R., *Great Public Squares*.
 Gausa, M., *Housing: New Alternatives, New Systems*.
 Giradet, H., *Creating Sustainable Cities*.
 Hillier, B. and J. Hanson, *The Social Logic of Space*.
 Hough, M., *City Form and Natural Process*.
 Hutchison, E., *Drawing for Landscape Architecture: sketch to screen to site*.
 Jackson, J.B., *The Stranger Path*.

Jacobs, J., *Death and Life in Great American Cities*.
 Lefebvre, H., *Rhythmanalysis: Space, Time and Everyday Life*.
 Lehnerer, A., *Grand Urban Rules*.
 Lukez, P., *Suburban Transformations*.
 Lynch, K., *The Image of the City*.
 McGrath, B. and Marshall, V., *Designing Patch Dynamics*.
 McHarg, I. *Design With Nature*.
 Michael Sorkin Studio, *Wiggle*.
 Morphosis, *Combinatory Urbanism: The Complex Behavior of Urban Form*.
 Mostafavi, M. and Ciro Najle, eds. *Landscape Urbanism: A Manual for the Machinic Landscape*.
 Mostafavi, M. et al, *Ecological Urbanism*.
 OMA and B. Mau, *S, M, L, XL*.
 Perec, G., *An Attempt at Exhausting a Place in Paris*.
 Pont, M.B. and P. Haupt, *Space Matrix: Space, Density and Urban Form*.
 Reed, P., *Groundswell: Constructing the Contemporary Landscape*.
 Rowe, C. and F. Koetter, *Collage City*.
 Sandalack, Beverly A. & Andrei Nicolai *The Calgary Project: urban form/urban life*.
 Schwanke, D., *Mixed-Use Development Handbook*.
 Shane, G., *Recombinant Urbanism*.
 Sorkin, M., "Future Zones, Eleven Tasks for Urban Design," in *Perspecta 29* (or *[Re]Reading Perspecta*).
 Steffen, A., ed., *World Changing: A User's Guide for the 21st Century*.
 Thomas, R., *Sustainable Urban Design: An Environmental Approach*.
 Turner, M.G., R.H. Gardener, and R.V. O'Neill, *Landscape Ecology in Theory and Practice*.
 Waldheim, C., ed., *The Landscape Urbanism Reader*.
 Waldheim, C., *Landscape as Urbanism: A General Theory*.

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. 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/>).