

Environmental DESIGN

architecture + landscape architecture + planning

University of Calgary / Faculty of Environmental Design

Site Planning Studio

EVDP 625 H (0-8)

M/W 2:00pm – 6:10pm, PF 3160

Fall 2018

Corequisite: Environmental Design Planning 602.

Tawab Hlimi

tawab.hlimi@ucalgary.ca

PF 3190, hours by appointment

Joanna Patton

joanna.patton@ucalgary.ca

TBD, hours by appointment

Tomasz Sztuk

tomasz.sztuk@ucalgary.ca

TBD, hours by appointment

Francisco Alaniz Uribe (Course Manager)

falanizu@ucalgary.ca 403.220.7527

PF 3201, hours by appointment

Introduction

This course consists of an introduction to site analysis, site planning, landscape planning and urban design. It emphasizes ideas of landscape and urban process and form, human behaviour/ built form relationships, environmental conservation, and sense of place. This is a required course for all students in the Master of Planning and the Master of Landscape Architecture Programs and is the first in the series of studio core courses.

Objectives

The objectives are for students to develop skills and knowledge regarding the following:

1. understanding of the natural and cultural processes that are involved in the formation of the built environment
2. awareness of theories, methods, and strategies employed in physical planning and site design
3. comprehension of site planning as a coherent process and application of this process to decision making with regard to site programming, inventory and analysis, and development, at various scales of resolution
4. development of appropriate graphic and verbal skills in order to facilitate the processes of analysis, planning and design, and as a means of communicating to others.

Teaching Approach

The course will consist of a series of inter-related lectures, illustrative examples, reading assignments, site visits, skill-building exercises and larger projects as opportunities for students to learn and develop site planning and design skills and to apply them to a variety of problems and environments. Much of the work will be in a studio setting, where students learn by doing, and through review and critique by the instructors, teaching assistants, and peers. The approach to site analysis and site planning will be based on

the “townscape analysis” methodology (see BA Sandalack and A Nicolai (2006) “*The Calgary Project: urban form/urban life*”, Appendix A, pp. 194-199).

Content

The course will be organized around various topics / scales, to be addressed through three projects and a number of skill-building exercises that increase in complexity.

Students will gain skills in site analysis and site planning, in understanding drawing conventions and graphic standards, and in producing measurable drawings and graphics that are compatible with industry practice. In addition to various types of hand drawing techniques, students will be required to learn the following computer skills and their uses as appropriate to various tasks:

- image editing software, such as Photoshop
- vector drawing software, such as Illustrator and AutoCAD
- 3D modeling software, such as SketchUp
- desk top publishing software (for reports, posters, etc), such as InDesign
- presentation software, such as PowerPoint and Keynote
- GIS will also be useful to learn during your time in the Planning Program, but will not be required or taught in this course.

The topics that we will cover and the skills that will be acquired include:

1. Project 1: Good Streets

- understanding air photos and base maps, using the Spatial and Numerical Data Services and other resources
- the qualities of “good” urban form
- built form analysis (historic evolution, mapping, visual note-taking and observation)
- using built form for precedent study
- understanding scale in drawings
- drawing / understanding plan, section, elevation, basic graphic conventions
- document layout and graphic presentation (posters)
- verbal presentation skills

2. Project 2: Making Space

- how to shape space using buildings and site elements
- planning for human scale, relating to context
- understanding sun and wind
- drawing in 3 dimensions - axonometric
- simple model-making

3. Project 3: Site Planning Project

- site planning - from analysis to concept
- site composition
- site analysis
- understanding site issues / constraints / opportunities, topography, slope
- mapping, diagramming
- the design process
- graphic and verbal presentation skills

Means of Evaluation

Evaluation will be based on the project assignments, completed during the term. 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. This design process is developed and evaluated on a class-to-class basis during desk critiques. Students are expected to be in attendance for the entirety of each class/studio period, and are required to attend all project and assignment reviews.

Each component of the course must be completed, and a passing grade (i.e. minimum B-) achieved, in order to pass the course as a whole. (NOTE: students may be given an opportunity to remediate failing grades, and must satisfy expectations and due dates as per each remedial assignment.) 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). Work will be completed individually or in pairs. Students will receive a common grade for work done in pairs or groups, unless it is clear to the instructors the balance of work has been unfairly distributed between team members. In this case, the distribution of work and grades will be discussed with the students.

- 1. Project 1: Good Streets 35% (completed in pairs)
- 2. Project 2: Making Space 25% (completed individually)
- 3. Project 3: Site Planning Project 40% (completed individually)

Total 100%

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.

Readings

American Planning Association (2006) Planning and Urban Design Standards (Wiley)
 Bentley, Ian. et al (1985) Responsive Environments: A Manual for Designers (Architectural Press) Cantrell, Bradley, Michaels (2010) Digital Drawing for Landscape Architecture (Wiley)
 English Partnerships (several printings) The Urban Design Compendium.

Ching, Frank (2012) Architectural Graphics (Wiley)
 Hack, Gary (2018) Site Planning: International Practice (MIT Press)
 Hough, Michael (1994) Cities and Natural Process (Routledge)
 Jacobs, Alan B., Elizabeth MacDonald and Yodan Rofe (2002) The Boulevard Book (MIT Press) Laurie, Michael (1975) An Introduction to Landscape Architecture (New York:Elsevier)
 Lynch, Kevin (1981) (A Theory of) Good City Form (Cambridge Mass.: MIT Press)
 Lynch, Kevin (1971) Site Planning (Cambridge, Mass.: MIT Press) or later versions with Garry Hack (this is the best single source for understanding site planning) Marsh, Will (2010) Landscape Planning (5th ed) (Wiley)
 McHarg, Ian (1969, reprinted 1994) Design With Nature (New York: Doubleday)
 Newton, Norman (1971) Design on the Land: The Development of Landscape Architecture (Harvard University Press)
 Sandalack, Beverly A. & Andrei Nicolai (2006) The Calgary Project: urban form/urban life (University of Calgary Press)
 Tal, Daniel (2009) Google SketchUp for Site Design (Wiley)

Special Budgetary Requirements

Please note that all studios have a mandatory supplementary fee to cover expenditures for the use and maintenance of the workshop. For this course the fee is \$75.00.

The materials required for the course include basic drafting and drawing tools and some simple model-making materials. In addition to the normal pens, pencils, erasers, sketch books that you may already have, the following are required for this studio:

- > roll of sketch paper (12" or 18", white or yellow)
- > metric scale
- > black felt pen - fine and medium tip
- > pencils - one hard (2H), one soft (F or HB)
- > alternatively instead of pencils: leadholder and two leads, one hard (2H), one soft (F or HB), and lead sharpener
- > triangles (30/60 degree)
- > tape - masking tape or Magic tape
- > eraser
- > Exacto knife
- > cutting board (you may share this with someone else)

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/>).