



Course Number	PLAN 606	Location	Classes will be via Zoom. Students will also be provided with studio spaces on a scheduled basis for work on their own.
Course Name	Site Planning Studio		
Co-Requisite	PLAN 602 Computer Modeling for Urban Design		
Instructor	Dr. Beverly A. Sandalack Tawab Hlimi Tomasz Sztuk	Office Hours/Location	By appointment
	Email: sandalack@ucalgary.ca tawab.hlimi@ucalgary.ca tomasz.sztuk@ucalgary.ca	Phone: Bev 403 615 4655 Tawab tba Tomasz 403 815 7158	
Class Dates	Mondays, Tuesdays, Thursdays, Fridays 2:00 – 6:10 Mandatory real-time Zoom meeting times will be Tuesdays and Fridays 2:00 – 6:10 Students are expected to work at home or at their studio spaces for the other scheduled days.		
Instructor Email Policy	All course communications must occur via your @ucalgary email		
Name and Email of Teaching Assistant(s)	N/A		

Course Description

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. The class will be split into sections composed of students from both programs, and each section will be managed and taught by one instructor. All sections will follow a common curriculum and overall format and will complete the same projects and have the same deadlines, although there may be minor differences between the sections in the detailed approach and day-to-day schedule.

<https://www.ucalgary.ca/pubs/calendar/grad/current/planning-plan.html#45206>

Course Hours: 6 units; (0-8)

Online Delivery

This course will be taught remotely and will take place online via Zoom. Students are expected to be in attendance for the entirety of all lectures, studio critiques and reviews which will be scheduled during class time. Lectures, individual critiques, site visits, group discussions and reviews with the instructor will be Tuesdays and Fridays 2:00 – 6:10 pm. Students are expected to work on this course during the other two scheduled days (Mondays and Thursdays) either at home, or in your assigned and scheduled studio spaces. Studio space will be assigned, and attendance will be scheduled to allow for safe distancing, as well as a comfortable place to work on the studio projects in the same area as other students. Protocols for safe practice will be outlined at

the beginning of the semester. If students are unable to attend any scheduled class times on Tuesday or Friday, the instructor must be informed in advance. Refer to the section below on attendance for additional details.

Some site visits will be scheduled; they will not be mandatory. Protocols for site visits will be established for social distancing and other safe practices. Site visits will also be available by video or other online methods for students who are unable to or uncomfortable with attending in person.

Course Learning Outcomes

Upon completion of this course, students will know and be able to:

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

Learning Resources

The following are recommended as references, but are not required. Specific readings will be assigned.

American Planning Association (2006) Planning and Urban Design Standards (Wiley)
Bentley, Ian et al (1985) Responsive Environments: A Manual for Designers (Arch. Press)
Cantrell, Bradley, Michaels (2010) Digital Drawing for Landscape Architecture (Wiley)
Davis, David and Theodore Walker (2000) Plan Graphics (Wiley)
English Partnerships (several printings) The Urban Design Compendium
Ching, Frank (2012) Architectural Graphics (Wiley)
Frederick, Mathew & Vikas Mehta (2018) 101 Things I Learned in Urban Design School (MIT)
Hack, Gary (2018) Site Planning: International Practice (MIT Press)
Hough, Michael (1994) Cities and Natural Process (Routledge)
Jacobs, Alan B., Eliz. MacDonald & Yodan Rofe (2002) The Boulevard Book (MIT Press)
Jacobs, Alan B. (1993) Great Streets (MIT Press)
Laurie, Michael (1975) An Introduction to Landscape Architecture (Elsevier)
Lynch, Kevin (1981) (A Theory of) Good City Form (MIT Press)
Lynch, Kevin (1971) Site Planning (MIT Press) or later versions with Garry Hack
Marsh, Will (2010) Landscape Planning: Environmental Applications (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 Univ. Press)
Sandalack, Beverly A. & Andrei Nicolai (2006) The Calgary Project: urban form/urban life (Univ. of Calgary Press)

Technology requirements:

Course materials and information will be posted on D2L. Students are responsible for accessing this information. In addition to various types of hand drawing techniques taught in this class, students will be required to learn in PLAN 602 Computer Modeling the following computer skills and their uses:

- image editing software, such as Photoshop
- vector drawing software, such as Illustrator and AutoCAD
- 3D modeling software, such as SketchUp and Rhino
- desk top publishing software (for reports, posters, etc.), such as InDesign

Most computer applications required for this course will be taught in PLAN 602 Computer Modeling for Urban Design. Students are responsible for making the connections between the courses.

Presentation software, such as PowerPoint or Keynote, will also be required in Site Planning Studio; students should consult on-line tutorials if they are not familiar with the software.

Additional Classroom Conduct and Related Information

Guidelines for Zoom Sessions in Online Classes

Students are expected to participate actively in all Zoom sessions and to turn on their webcam. Please join the class in a quiet space that will allow you to be fully present and engaged in the Zoom sessions. Students must behave in a professional manner during the class sessions. Students, employees, and academic staff are also expected to demonstrate behaviour in class that promotes and maintains a positive and productive learning environment.

Assessment Components

Assessment Method	Description	Weight	Aligned Course Learning Outcome
Progress and Review of assignment	P1, Good Streets, completed in pairs	35%	1,2,3,4
Progress and Review of assignment	P2, Making Space, completed individually	25%	1,2,3,4
Progress and Review of assignment	P3, Site Planning Project, completed individually	40%	1,2,3,4

Assessment and Evaluation Information

Attendance and Participation Expectations:

As mentioned above, students are expected to be in attendance for the entirety of all lectures, studio critiques and reviews which will be scheduled during class time. Lectures, individual critiques, site visits, group discussions and reviews with the instructor will be Tuesdays and Fridays 2:00 – 6:10 pm. Students are expected to have new material prepared for each individual critique, in a format suitable for discussion, as per the requirements which will be outlined by each instructor. Normally this will include drawings, diagrams, notes, photographs, and other visual aids. The individual critiques are opportunities to discuss work in progress and will be based on the drawings and diagrams that each student develops.

Students must be in available, i.e. able to be online and involved in the course, for the entire class time Tuesday and Friday, in addition to any time scheduled for individual critiques. This will allow for any follow-up from the instructor and for group discussion, as may be required.

Site visits will be scheduled but are not mandatory. If students are unable to or uncomfortable with class site visits, alternate arrangements for visiting the site, either on your own, or through appropriate digital means, must be made with the instructor.

Reviews will be done periodically throughout the term, including at the end of each project as a way to evaluate and discuss student work. Because much learning takes place during these reviews, all students are required to be in attendance for the entire review period, even when their own work is not being discussed.

Students are expected to work on this course during the other two scheduled days (Mondays and Thursdays) ,either at home, or in your assigned and scheduled studio spaces.

Guidelines for Submitting Assignments:

Assignments must be submitted on time, as per the instructions for each project regarding digital or physical submissions. Late submissions will be penalized. There may be an opportunity to remediate late assignments. Students are required to submit written explanations for any absences or late assignments, which will be considered by the instructor.

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 planning and design process is developed on a class-to-class basis, and importantly, during individual 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.

Expectations for Writing:

Please refer to the University of Calgary Calendar (<https://www.ucalgary.ca/pubs/calendar/current/e-2.html>):

Evaluation and Late Assignments:

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.)

All assignments will be evaluated by letter grades. Final course grades will be reported as letter grades, with the final grade calculated according to the 4-point range, as per the SAPL grading scheme. There will be no final examination for this course.

Because the studio work is evaluated during reviews, all work must be completed on time, and all students must take part in the presentations and reviews. Late presentation / submission of material for studio reviews is not acceptable (grades will be deducted for work presented 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 instructor that 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.

Grading Scale

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	

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.

Topic Areas & Detailed Class Schedule

The course will be organized around various topics / scales, to be addressed through three projects 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.

1. Project 1: Good Streets

- understanding air photos and base maps, using the Spatial and Numerical Data Services (SANDS) 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, and basic graphic conventions
- layout of slides and graphic presentation (Powerpoint or Keynote)
- 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 and other environmental factors
- 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
- model-making for communication
- graphic and verbal presentation skills

Course Schedule		
Date	Topic	Assignments/Due Dates
September 8	Course Introduction	Intro P1 Good Streets
September 10	Tutorial on 360 video software With Mahshid Fadaei, Zoom 4-6:00	
September 11	Site visit (physical or virtual)	
September 15, 18, 22, 25, 29	Desk crits and short lectures	
October 2		Review P1
October 5-9	No classes / SAPL Block Week	

October 12	No class – Thanksgiving Day	
October 13		Intro P2 Making Space
October 16, 20, 23, 27	Desk crits and short lectures	
October 30		Review P2
November 3		Intro P3 Site Planning Project
November 9-13	No classes – term break	
November 17, 20, 24, 27	Desk crits and short lectures	
December 1, 4, 8	Desk crits and short lectures	
	SAPL final review period	Final Review P3 tba

Guidelines for Zoom Sessions

Zoom is a video conferencing program that will allow us to meet at specific times for a “live” video conference, so that we can have the opportunity to meet each other virtually. Lectures will take place via Zoom, and there will also be the opportunity to discuss relevant course topics as a class.

To help ensure Zoom sessions are private, do not share the Zoom link or password with others, or on any social media platforms. Zoom links and passwords are only intended for students registered in the course. Zoom recordings and materials presented in Zoom, including any teaching materials, must not be shared, distributed or published without the instructor’s written permission.

The use of video conferencing programs relies on participants to act ethically, honestly and with integrity; and in accordance with the principles of fairness, good faith, and respect (as per the [Code of Conduct](#)). When entering Zoom or other video conferencing sessions (such as MS Teams), you play a role in helping create an effective, safe and respectful learning environment. Please be mindful of how your behaviour in these sessions may affect others. Participants are required to use names officially associated with their UCID (legal or preferred names listed in the Student Centre) when engaging in these activities. Instructors can remove those whose names do not appear on class rosters. Non-compliance may be investigated under relevant University of Calgary conduct policies (e.g. [Student Non-Academic Misconduct Policy](#)). If participants have difficulties complying with this requirement, they should email the instructor of the class explaining why, so the instructor may consider whether to grant an exception, and on what terms. For more information on how to get the most out of your zoom sessions visit: <https://elearn.ucalgary.ca/guidelines-for-zoom/>

If you are unable to attend a Zoom session, please contact your instructor in advance to arrange an alternative activity for the missed session. Please note that presentations will not necessarily be recorded. Please be prepared to join class in a quiet space that will allow you to be fully present and engaged in Zoom sessions. Students will be advised by their instructor when they are expected to turn on their microphones, but otherwise please select the “mute” option in order to avoid unnecessary noise and feedback.

University Calendar: <https://www.ucalgary.ca/pubs/calendar/current/e-6.html>

Recording of lectures (other than audio recordings that are pre-arranged as part of an authorized accommodation) is not permitted. Students may not record any portion of a lecture, class discussion or course-related learning activity without the prior and explicit written permission of the course instructor or authorization from Student Accessibility Services. For any other use, whether by duplication, transcription, publication, sale or transfer of recordings, written approval must be obtained from the instructor for the specific use proposed. Any use other than that described above constitutes academic misconduct and may result in suspension or expulsion.

The instructor may use media recordings to capture the delivery of a lecture. These recordings will be used to support student learning only and will not be shared or used for any other purpose. The instructor will notify all students and guests in the class before the Zoom session is recorded. Any video-recording would be intended to only capture the instructor and the presentation materials. Students/other participants would not necessarily be visible on video recordings.

Special Budgetary Requirements

Please note that all studios have a mandatory supplementary fee to cover workshop costs for use and maintenance of hand tools, assorted power tools, CNC routers, laser cutters, 3D printers, and robotics. The University has approved supplemental fees for PLAN 606 Site Planning Studio of \$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)
- > triangles (30/60 degree)
- > tape - masking tape or Magic tape
- > eraser
- > Exacto knife
- > cutting board

University of Calgary Policies and Supports

COVID-19 PROCEDURE FOR SICK STUDENTS: <https://ucalgary.ca/risk/sites/default/files/Covid-19%20Folder/COVID-19-Procedure-for-Sick-Students.pdf>

ACADEMIC ACCOMMODATION

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The Student Accommodations policy is available at <https://ucalgary.ca/student-services/access/prospective-students/academic-accommodations>.

Students needing an accommodation based on disability or medical concerns should contact Student Accessibility Services (SAS) in accordance with the Procedure for Accommodations for Students with Disabilities (<https://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities.pdf>). Students who require an accommodation in relation to their coursework based on a protected ground other than Disability should communicate this need in writing to their Instructor. SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/.

ACADEMIC MISCONDUCT

Academic Misconduct refers to student behavior which compromises proper assessment of a student's academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.

For information on the Student Academic Misconduct Policy and Procedure please visit:

<https://ucalgary.ca/policies/files/policies/student-academic-misconduct-policy.pdf>

<https://ucalgary.ca/policies/files/policies/student-academic-misconduct-procedure.pdf>

Additional information is available on the Academic Integrity Website at <https://ucalgary.ca/student-services/student-success/learning/academic-integrity>.

COPYRIGHT LEGISLATION:

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure

they are aware of the consequences of unauthorised sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy (<https://www.ucalgary.ca/pubs/calendar/current/k.html>).

INSTRUCTOR INTELLECTUAL PROPERTY

Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

SEXUAL VIOLENCE POLICY

The University recognizes that all members of the University Community should be able to learn, work, teach and live in an environment where they are free from harassment, discrimination, and violence. The University of Calgary's sexual violence policy guides us in how we respond to incidents of sexual violence, including supports available to those who have experienced or witnessed sexual violence, or those who are alleged to have committed sexual violence. It provides clear response procedures and timelines, defines complex concepts, and addresses incidents that occur off-campus in certain circumstances. Please see the policy available at <https://www.ucalgary.ca/policies/files/policies/sexual-violence-policy.pdf>

UNIVERSITY STUDENT APPEALS OFFICE: 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. <https://www.ucalgary.ca/secretariat/student-appeals>

OTHER IMPORTANT INFORMATION

Please visit the Registrar's website at: <https://www.ucalgary.ca/registrar/registration/course-outlines> for additional important information on the following:

- Wellness and Mental Health Resources
- Student Success
- Student Ombuds Office
- Student Union (SU) Information
- Graduate Students' Association (GSA) Information
- Emergency Evacuation/Assembly Points
- Safewalk