Course Number	PLAN602	Classroom	PF 2165, Computer Lab, and ZOOM
Course Name	Computer Modeling for Urban Design		
Pre/Co-Requisites			
Instructor	Tawab Hlimi Maria Galdon	**Office Hours/Location** PF3190 and ZOOM	By Appointment
	Email: tawab.hlimi@ucalgary.ca maria.galdon@ucalgary.ca	**Phone:** 1.403.220.7786	
Class Dates	Mandatory blended classes in person and real-time via Zoom Thursdays, Sept. 9 – Dec 2, 9:00am to 12:50pm		
Instructor Email Policy	All course communications must occur through your @ucalgary email, and I will respond to emails sent via student's @ucalgary emails within 48 hours.		
Name and Email of Teaching Assistant(s)	Kiran Kaur, MPlan - kirandeep.kaur3@ucalgary.ca Diba Mohebzadeh , MPlan 2021, MLA - diba.mohebzadeh@ucalgary.ca Connor MacDonald, MPlan - connor.macdonald1@ucalgary.ca Arman Khalilbeigi Khameneh, PhD - arman.khalilbeigikha@ucalgary.ca Pratekk Ghelaa, MLA - pratekk.ghelaa@ucalgary.ca		

Course Description

Through a series of lectures, tutorials, assignments, and reviews, this course will introduce students to the representation of spatial and conceptual design ideas/thinking in the fields of planning and landscape architecture, primarily through the medium of digital drawing. The course will emphasize both established conventions of spatial representation such as standard drawing and graphic types and their conventional applications, and the continuously evolving repertoire of digital tools (software) through which drawings are produced today. Furthermore, the linkage to PLAN606 Site Planning Studio will highlight the critical connection between spatial representation and digital workflows, and design process, practice, and theory in landscape architecture and planning. Course assignments are coordinated with PLAN606 Site Planning Studio.

Course Hours: 3 units; (2-1Tutorial)

Online Delivery

The course is blended in format. Course lectures and tutorials will take place in a class setting and also be broadcast live on ZOOM to accommodate students attending remotely. Although ZOOM lectures and tutorials will be uploaded to D2L, we highly recommend that students participate in real-time, as opportunities to ask questions can be reduced with asynchronous learning (ie. students watching lectures and tutorials on their own time).

Course Learning Outcomes

Upon completion of this course, students will:
1. Be familiar with design drawing types and their respective capabilities in design communication.
2. Be aware of the capabilities of various software in design communication, standard workflows across software, and the correlations between digital workflows and design processes.
3. Develop a sensibility in effectively communicating design ideas through design drawings.
4. Understand that design drawings are fundamentally a medium of visual communication and instruction.

Learning Resources

Recommended readings, textbooks and learning materials:
- Ching, Francis D. K., and Steven P. Juroszek. *Design Drawing*. John Wiley & Sons, 2010. (e-book at TFDL)
- Jacobs, Allan. *Great Streets*. Cambridge, MA. MIT Press, 1995.
- Jacobs, Allan B., et al. *The Boulevard Book : History, Evolution, Design of Multiway Boulevards*. 2002.
- Lynch, Kevin, and Joint Center for Urban Studies. *The Image of the City*. MIT Press, 1960.
- Sullivan, Chip. *Drawing the Landscape*. John Wiley & Sons, 2014.

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 our 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 session. 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	Project 1	35%	1,2,3,4
Progress and Review	Project 2	25%	1,2,3,4
Progress and Review	Project 3	40%	1,2,3,4

Assessment and Evaluation Information

Attendance and Participation Expectations:

The course evaluation will be based on the assignments completed during the term. While the final product is important, equally important is the student's consistent and productive engagement in the design process, assessed through engagement through attendance and participation in lectures, tutorials, work sessions, and critiques/reviews. Late presentation of work on scheduled Zoom classes 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

Project 1: Plan, Section, and Elevation Projections - 35%

Project 2: Isometric and Oblique Projections - 25%

Project 3: Perspective Projections - 40%

Attendance and Participation Expectations:

Students are expected to be in attendance for the entirety of all lectures, assignment presentations and reviews.

Expectations for Writing (https://www.ucalgary.ca/pubs/calendar/current/e-2.html)

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

Include information relevant to the class schedule, such as weekly topics, readings, and assignment due dates. For online, remote or blended courses include whether course activities are synchronous (i.e., real-time/Zoom) and asynchronous (i.e., students complete on their own time such as discussion boards, watching videos, etc.). It is recommended that important dates including the first day of classes, holidays, term breaks and last day of classes also be included.

Course Schedule Date	Topic	Assignments/Due Dates
Sept 7 - 10	**Course Intro.** **L1: Singleview Drawings – Plan, Section, Elevation** **T1:** AutoCAD 1 → Illustrator 1	
Sept 13 - 17	**L2: Diagrams** **T2:** AutoCAD 2 → Illustrator 2 **T3:** Photoshop 1 → Illustrator 3 → InDesign 1 **R:** Review of Plan, Section, Elevation Drawings	
Sept 20 - 24	**L3: Layout** **T4:** Q&A Session	
Sept 27 – Oct 1	**No Lecture on Thursday – Truth and Reconciliation Day** **T5:** AutoCAD → Rhino 1	**P1 Due Oct. 1**
Oct 4 – 8	**No classes – SAPL block week**	
Oct 12 - 15	**L4: Multiview Drawings: Isometric and Oblique** **T6:** AutoCAD → SketchUp 1 **T7:** Rhino 2	
Oct 18 - 22	**L5: Model: Physical and Digital** **T7:** Rhino 3 **T8:** SketchUp 2 **T9**: Digital Model Making 1 (laser cutter)	
Oct 25 - 29	**L6: Perspective Drawing: 1-Point, 2-Point and Bird-Eye Views**	**P2 Due Oct. 28** **P2 Review** **P3 Intro.**
Nov 1 - 5	**L7: Perspective and Plan Renderings** **T10:** SketchUp/Rhino → Photoshop	
Nov 8 – 12	No classes – term break	

Nov 15 - 19	**T11:** Rhino → Lumion → Photoshop **R:** Perspective Drawings Review	
Nov 22 - 26	**T12:** Digital Model Making 2 (laser cutter, CNC, 3D printer)	
Nov 29 – Dec 3	**T13:** Q&A Session	
Dec 6-9	**L8: Presentation Drawing** **P3 Review**	**P3 Due Dec. 9**

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 and discuss relevant course topics as a learning community.

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 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/moderators 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 (e.g., to review the recorded session). Please be prepared, as best as you are able, 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 webcam (for group work, presentations, etc.).

The instructor may record online Zoom class sessions for the purposes of supporting student learning in this class – such as making the recording available for review of the session or for students who miss a session. Students will be advised before the instructor initiates a recording of a Zoom session. These recordings will be used to support student learning only and will not be shared or used for any other purpose.

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 accommodation policy can be found at: https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf

Students needing 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 (contact information on first page above).
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