



<b>Course Number</b>	LAND 618	<b>Classroom</b>	PF 2165
<b>Course Name</b>	Advanced Graphics in Landscape Architecture		
<b>Pre/Co-Requisites</b>			
<b>Instructor</b>	Daniel Saenz	<b>Office Hours/Location</b>	By appointment / via zoom
	<b>Email:</b> daniel.saenz1@ucalgary.ca		<b>Phone: (587) 435 - 2231</b>
<b>Class Dates</b>	Wednesdays, Sept 7 to Nov 30, 9:00am to 12:00pm Asynchronous assignments due dates: see Section 'Topic Areas & Detailed Class Schedule'		
<b>Instructor Email Policy</b>	Please note that all course communications must occur through your @ucalgary email, and I will respond to emails sent via student's @ucalgary emails within 48 hours.		
<b>Name and Email of Teaching Assistant(s)</b>			

## Course Description

Focuses on professional practice skill development in graphics using advanced digital rendering techniques and software used in professional practice for design project rendering and modelling.

Graphic representation is the language of design. Using graphics, designers understand and document a place, through empirical and data-driven methodologies that inform the decision-making process.

Initial ideas emerge, which are used to explore form, spatial configuration, and programmatic relationships. Those loose lines evolve and get more precise as students familiarize with the formal syntax of three-dimensional modelling, constructing digital space to iteratively test and progress from concept to schematic design.

Diagrams, plans and other graphics are produced to communicate design intent as well as to explore and evolve design thinking. Static and non-static representation techniques are studied, to prepare students with an array of tools useful through their academic years as well as future practice.

The course will run within a support framework for LAND 614 – Landscape Architecture Studio II, thus encouraging a synergy between the Studio work and the tools learn during this

class. The assignments to be evaluated are the ones students submit for LAND 614, and every class will have time for desk crits related to graphics and representation.

**Course Hours:** 3 units

## Course Learning Outcomes

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

1. Model in Rhinoceros 3d, which is the industry standard, as well as basic operations and scripting in Grasshopper
2. Develop the required graphics as tools in which to look at a site, uncovering structural, environmental, and cultural elements that make it a place
3. Incorporate a wide array of architecture graphics and the understanding of when to use them
4. Capacity for graphic abstraction
5. Use graphics as part of the design process
6. Iteratively go from sketch to modelling (and back to sketch) in a seamless way
7. Familiarize with digital techniques that will speed-up their workflow
8. Successfully communicate and build a narrative supported by clear graphic expression

## Learning Resources

General Bibliography:

Amoroso, N. (Ed.) Representing Landscapes: Digital. Taylor and Francis. Available at <https://ebookcentral-proquest-com.ezproxy.lib.ucalgary.ca/lib/ucalgaryebooks/detail.action?docID=1975298>

### Workshop Safety Training Requirement

If a course requires the use of the SAPL workshop, students must complete all online University of Calgary safety courses, the online Trajectory safety training course, as well as in-person workshop training and a grade of pass on the final evaluation project, to be granted access to the SAPL workshop. This training is offered once a year, around the start of the Fall term and has a completion deadline.

## Assessment Components

Assessment Method	Description	Weight	Aligned Course Learning Outcome
Style, graphic clarity and conclusions	Assignment #1 for LAND 614	20%	1 and 2
Basic drawing representation, character and design clarity	Assignment #2 for LAND 614	30%	2 - 6

Overall narrative, graphics as design tools, consistency in the representation, layout	Assignment #3 (Parts 1 and 2) for LAND 614	50%	2 - 7
--	--	-----	-------

## Assessment and Evaluation Information

### Attendance and Participation Expectations:

Students are expected to be in attendance for the entirety of class activities, and are required to attend all assignment reviews.

### Guidelines for Submitting Assignments:

All work must be completed on time, and all students must take part in the presentations and reviews.

### Final Examinations:

The course evaluation will be based on the assignments completed during the term. There will be no final examination.

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

### Late Assignments:

Late submission of material to be presented is not acceptable (grades will be deducted for work submitted later than the deadline specified in the course/assignment brief or as discussed in class).

### Criteria that must be met to pass:

Students must obtain an overall passing grade (i.e. minimum B-) to pass this course, however, if a student fails any phase of the course worth 25% or more they will fail the course. A student who feels that a piece of graded term work (term paper, essay, test, drawings/panels etc.) has been unfairly graded may have the work 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

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
Wednesday, Sept 6	Mapping and Identity. A first look at the site	Assignment #1 presentation and guidelines
Wednesday, Sept 13	Context Modelling and Site Analysis: Terrain, massing, and the environment through Grasshopper	
Wednesday, Sept 20	Representing an idea: Core elements in landscape graphics	Assignment #1 submission
Wednesday, Sept 27	Illustrating an idea: Diagrams as tools for design exploration and as introduction to a project narrative	Assignment #2 presentation and guidelines
Wednesday, Oct 5	Sketching an idea: From hand to digital – and back	

Wednesday, Oct 11	Iterative modelling in 3d	Assignment #2 submission
Wednesday, Oct 18	Precision modelling as part of the design workflow	
Wednesday, Oct 25	Real-time grading	
Wednesday, Nov 1	Realistic material representation, lighting and rendering in VRay	Assignment #3 presentation and guidelines
Wednesday, Nov 22	Static and Non-static Representation: Landscapes in Motion	
Wednesday, Nov 29	Individual presentation of final assignment	Assignment #3 submission
Indicate the following dates: <ul style="list-style-type: none"> <li>If applicable, dates, times and locations of all approved class activities scheduled outside of regular course hours</li> </ul>		

<b>Special Budgetary Requirements</b>
N/A

<b>University of Calgary Policies and Supports</b>
<p><b>COVID-19 PROCEDURE FOR SICK STUDENTS:</b> <a href="https://ucalgary.ca/risk/sites/default/files/Covid-19%20Folder/COVID-19-Procedure-for-Sick-Students.pdf">https://ucalgary.ca/risk/sites/default/files/Covid-19%20Folder/COVID-19-Procedure-for-Sick-Students.pdf</a></p> <p><b><u>ACADEMIC ACCOMMODATION</u></b></p> <p>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: <a href="https://www.ucalgary.ca/legal-services/university-policies-procedures/student-accommodation-policy">https://www.ucalgary.ca/legal-services/university-policies-procedures/student-accommodation-policy</a></p> <p>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: <a href="https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure">https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure</a></p> <p>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).</p> <p>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 <a href="http://www.ucalgary.ca/access/">www.ucalgary.ca/access/</a> .</p> <p><b>ACADEMIC MISCONDUCT</b></p>

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](http://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