



Course Number	ARCH 680 L03	Classroom	PF 2160
Course Name	Pavilion Design Build		
Pre/Co-Requisites			
Instructor	Khalid Omokanye	Office Hours/Location	Na
	Email: KhalidAhmed.Omokanye@ucalgary.ca	Phone: 403 671 1275	
Class Dates	Monday – Friday 8:00am – 11:40am		
Instructor Email Policy	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 on weekdays.		
Name and Email of Teaching Assistant(s)	Na		

Course Description

Following the strong history of architectural pavilions as a means to test new / novel architectural ideas, this pavilion design-build course tasks students first with designing an architectural pavilion that showcases new modalities of architectural thinking, then developing these ideas through rapid prototyping, dissecting and detailing a pavilion, and finally building a full scale pavilion.

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

Online Delivery (If applicable)

N/a

Course Learning Outcomes

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

1. Analyze, dissect, and critique architectural pavilions
2. Distill the essence of architectural ideas into potent physical forms
3. Create small scale architectural models
4. Develop and advance an architectural idea through rapid prototyping techniques
5. Develop a full set of working drawings to enable the construction of a full scale pavilion
6. Assess and analyze the functional, structural, and budgetary constraints of an architectural pavilion
7. Build an architectural pavilion

Learning Resources

Required readings, textbooks and learning materials:

Technology requirements (D2L etc.): In order to successfully engage in their learning experiences at the University of Calgary, students in this course are required to have reliable access to the following technology:

- A computer with a supported operating system, as well as the latest security, and malware updates;
- A current and updated web browser;
- 3D Modeling Software (Rhino, 3DS Max, Autocad, etc)
- Graphic / Image editing Software (Adobe Illustrator, Photoshop, Indesign)

Workshop Safety Training Requirement

This Course requires the faculty workshop and as such 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.

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
Pre-Design PRESENTATION (Group)	Small group presentations on architectural pavilion precedents	5	1
Preliminary Design SKETCHES (Individual)	Compilation of sketches (Plans, Sections, Elevations, Details) exploring several architectural ideas, and pointing towards an architectural pavilion	5	1 & 2
Preliminary Design RAPID PROTOTYPE MODEL (Individual)	Series of small-scale rapid prototypes of potential pavilions	10	1, 2, 3, & 4
Design Development DESIGN DRAWINGS (Group)	Detailed Plans, Sections, Elevations, and 3D model of proposed Pavilion	10	1, 2
Design Development VALUE ENGINEERING (Group)	Functional, Structural, Material, and Budgetary analysis of proposed pavilion	10	1, 2, 6
Design Development PROPOSAL (Group)	Final Pavilion Proposal- Plans, Sections, Elevations, 3D Model, Physical Model	20	1, 2, 5, 6
Construction PAVILION BUILD (Group)	Group Build of final selected Architectural Pavilion	20	7
Analysis PORTFOLIO (Individual)	Digital portfolio, detailing student's process throughout all phases, including selected diagrams, images, sketches, and photographs of all phases of the pavilion design – build	20	1, 2, 3, 4, 5, 6 & 7

Assessment and Evaluation Information

Attendance and Participation Expectations:

Students are required to be present on all days of the block week course, and to participate in in-class discussions, development of ideas as a group, and contributing to the production of works (physical models, material testing, graphics, etc.) required for a successful project.

Guidelines for Submitting Assignments:

Final Examinations:

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

Late Assignments:

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.

The School of Architecture, Planning and Landscape will not permit the Flexible Grade Option (CG Grade) for any course offered by the School. (<https://www.ucalgary.ca/pubs/calendar/current/salp-3-3.html>)

CACB Student Performance Criteria

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; A4: Program Analysis; A5: Site Context and Design; C3: Structural Systems; D1: Comprehensive Design."

Detailed Class Schedule

COURSE SCHEDULE DATE	TOPIC	ASSIGNMENTS/DUE DATES
Jan 9	Introductions, Exercise 01 handout.	
Jan 16	Exercise 01 due/ Presentations / in-class discussion / Exercise 02 Handout	Exercise 01
Jan 23	Exercise 02 due / Pinups / In-Class Discussion / Exercise 03 Handout	Exercise 02
Jan 30	Exercise 03 due / In-Class Discussion / Exercise 04 Handout/ Group assignment	Exercise 03
Feb 6	Exercise 04 due / In-Class Discussion / Exercise 05 Handout	Exercise 04
Feb 13	Exercise 05 due / In-Class Discussion/ Exercise 06 Handout	Exercise 05
Feb 20	T E R M B R E A K	
Feb 27	Exercise 06 due / Presentations / In-class Discussion / Final Pavilion Selection	Exercise 06
Mar 6	Design Finalization and role allocations	
Mar 13	PAVILION BUILD	
Mar 20	PAVILION BUILD	
Mar 27	PAVILION BUILD	
Apr 3	PAVILION BUILD	
Apr 10	E A S T E R M O N D A Y	
Apr 17	FINAL PAVILION OPENING!	
Apr 21	PORTFOLIOS DUE	PORTFOLIO

University of Calgary Policies and Supports

COVID-19 PROCEDURE FOR SICK STUDENTS: <https://www.ucalgary.ca/risk/covid-19-procedure-for-sick-students>

UNIVERSITY OF CALGARY COVID-19 UPDATES: <https://www.ucalgary.ca/risk/emergency-management/covid-19-response>

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/university-policies-procedures/student-accommodation-policy>

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: <https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure>

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 a grade that they have received, they should refer to Section I of the Undergraduate Calendar (<https://www.ucalgary.ca/pubs/calendar/current/i-3.html>) which describes how to have a grade reappraised. In addition, the student should refer to the SAPL's Procedure for reappraisal of grades

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