School of Architecture, Planning and Landscape
Master of Architecture Program
University of Calgary

ARCH 606 – Intermediate Architectural Design Studio
Fall 2023 (Full course)
Mondays, (Tuesdays), Thursdays, and (Fridays), 14:00 - 18:00 hours.
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Rooms: TBD

Arrested Development: Downtown Calgary Mid-Sized Building

INTRODUCTION

This course is the third studio in the Master of Architecture Program sequence. It examines scalar, systemic, and material aspects of urban and architectural ecosystems. The studio will address the design of a mid-sized multi-purpose urban building and associated public space. The tall building in this studio will comprise three distinct functions and have a floor area of 20 000m2 (plus or minus 10%). The mix and delineation of programs, site analysis and interpretation methods, as well as studio deliverables, will be determined by the individual instructors, with a base level of common requirements consistent across all studio sections.
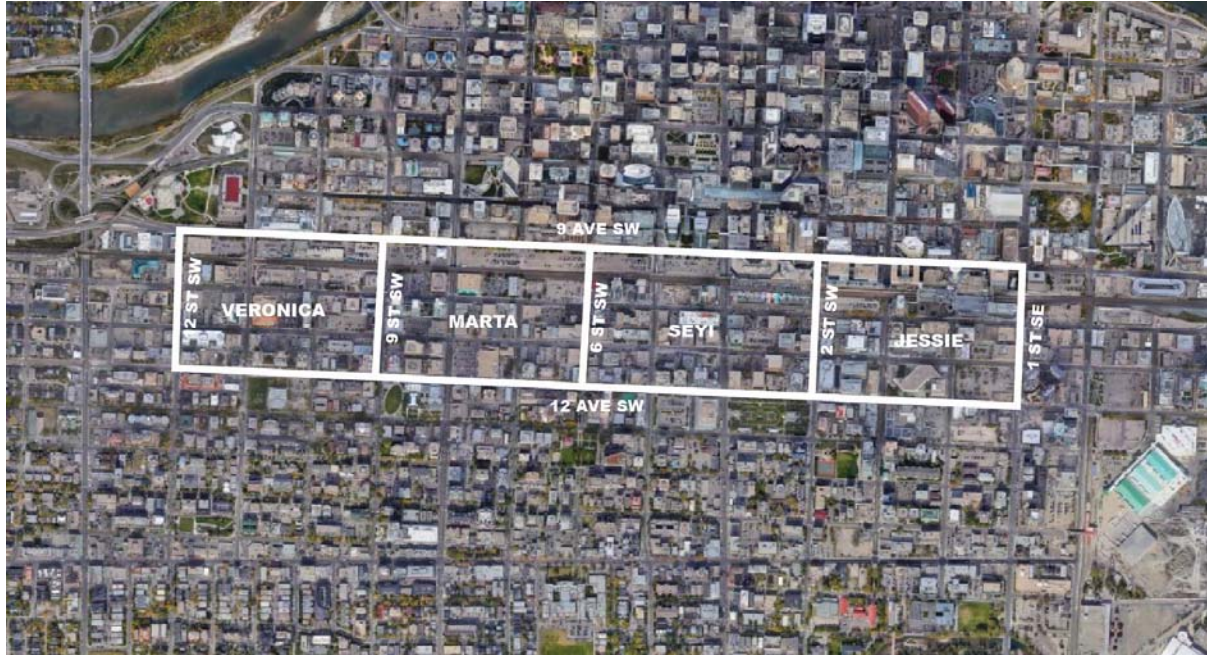
Recent shifts and long-term trends have disrupted the city and obliterated urbanism in favor of the infinite extension of urbanization (Aureli). Countryside (AMO / Rem Koolhaas) has pointed out both the opportunities and pitfalls of leaving the city, such as reduced regulation, opportunity for the emergence of utopian or revolutionary movements, higher profit margins, etcetera. Changes in the way people and goods move around the city as well as functional blending (ie, working from home) after COVID continue to influence urban rhythms and urban culture. In reaction to the sprawling modern city, the 15 Minute City posits proximate amenities and social nodes, implicating the territories across which the city operates. Other shifts have been building over time, such as the creation by developers of 'complete' suburbs or exurbs that include many dimensions of urban lift in a tightly orchestrated development play, or the ruralization of the data center (anonymous white boxes with few people). These shifts away from the city can be seen in the vacancy rates in the city center.

But the city also provides the possibility for a density of cultural nodes, mixed-use areas for living and working, and a complete city with all dimensions of urban life. And vacancy itself provides an opportunity – cities with reduced traffic levels are creating complete streets and pedestrianized districts. Vacant spaces provide opportunities for emerging and innovative organizations that were formally squeezed out by Dutch Disease, and the opportunity to reimagine the center as a place for more than working, corporate lunches, and after work parties. The city is also fundamentally more sustainable than growth at the perimeter, in terms of the reuse of existing buildings and the redevelopment of existing sites, plugging into existing infrastructure, reducing the need for commuting between distant parts of the city.

The following topics will be introduced conceptually during the semester: the relation between human constructions and global ecosystems, urban analysis, tall building typologies, program analysis and design, materials and assemblies, equitable design, and environmental systems. This course operates with other courses during the semester, including ARCH 600, Structures for Architects I, and ARCH 602: Introduction to Design Theories.

SITE

Students will critically consider the design of a building and surrounding public space within a linear city strip that is located within the City Center and adjacent neighborhoods between 9 Avenue S, 12 Avenue S, 12 Street SW, and 1 Street SE. Each studio section will use a different 3 x 3 block area as their site.

CACB

The following CACB Student Performance Criteria will be covered in this course:

Primary Level: A1: Design Theories, Precedents, and Methods; A2: Design Skills; A3 Design Tools; A4: Program Analysis; A5: Site Context and Design; A8: Design Documentation.

Secondary Level: A6: Urban Design; B1: Critical Thinking and Communication; B5: Ecological Systems; C2: Materials; C3: Structural Systems.

Note: Students entering M1 from other institutions are required to take the Workshop Skills course.

OBJECTIVES

1. To develop design skills through the design of a mid-sized project, based on a critical understanding of an urban condition, complex program, and contemporary architectural processes.
2. To develop introductory knowledge of programming, materials and assemblies, building systems, and structural concepts.
3. To develop skills and awareness of urban contexts through research, analysis, and interpretation, leading to an appropriate architectural project.
4. To develop site design, graphic, concept design, and design development skills.
5. **To understand the concept that buildings are ecologies that participate in larger ecologies (flow systems), and to understand the role that technology plays in this interface.**

TEACHING APPROACH

In this studio there will be four sections, each covering the same basic material and employing the same schedule, but through different projects, sites, and pedagogical approaches (students will have the opportunity to express preferences for their section prior to the beginning of the semester). Each instructor will provide detailed project descriptions throughout the semester. Guidance and feedback will be provided during informal 1:1 discussions and formal reviews. The work will be done individually (with some research work potentially done in small groups). The studio will be process-oriented, allowing students some latitude to develop their own design methodologies.

COURSE EXPECTATIONS, MEANS OF EVALUATION

Students will be expected to follow all assignments, to be present for studio on Mondays and Thursdays (and as otherwise required by the instructor/schedule) and attend all lectures and reviews. Students will also be expected to read any assigned readings. Detailed project descriptions will be provided throughout the term by the various instructors. The following is the general breakdown of assignments:

SCHEDULE

Phase 1	**Site, Concept, Program**	30%
	September 5 to September 28	
National Day for Truth and Reconciliation	Saturday September 30	
Thanksgiving	Monday October 9	
Phase 2	**Design Development**	30%
	September 29 to November 2	
Block Week	November 6 to November 11	
Term Break	November 12 to November 18	
Phase 3	**Final Design and Presentation**	30%
	November 20 to December 13	
	Date of Final Presentation, first week of exams, date TBD	
Phase 4	**Portfolio**	10%
	Due after Final Presentation, Date TBD	

READINGS

Refer to project handouts by instructors.

SPECIAL BUDGETARY REQUIREMENTS

Special budgetary requirements are limited to the optional purchase of course readings and, in specific courses, mandatory supplementary fees to cover certain expenditures, such as field trips. Mandatory supplementary fees must be approved by the University prior to implementation. The University has approved supplemental fee for this course of $150.00.

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.

Students will be required to complete each of the course assignments. There will be no final exam. Students must obtain an overall passing grade to pass this course, however, if a student fails any phase of the course worth 30% or more they will fail the course.

UNIVERSITY OF CALGARY POLICIES AND SUPPORTS

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/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://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-policy
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 (https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy) 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 AND GENDER-BASED 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/legal-services/university-policies-procedures/sexual-and-gender-based-violence-policy .

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