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

UNIVERSITY OF CALGARY
SCHOOL OF ARCHITECTURE,
PLANNING AND LANDSCAPE

ARCH 606 – Intermediate Architectural Design Studio
Fall 2022 (Full course)
(Mondays), Tuesdays, (Wednesdays), and Fridays, 14:00 - 18:00 hours.
Instructors: Oluwaseyi Arole, oluwaseyi.arole@ucalgary.ca
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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. Some trends that are causing this shift might be temporary or heightened at this moment, such as the desire for more space as a reaction to Covid isolation, a shift to a home-based or mixed-location working model, or a regressive backlash to social movements (like an echo of the White Flight that started in the 1950s/60s). 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 6 Avenue S, 11 Avenue S, 11 Street SW, and 6 Street SE.

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 five 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 Tuesdays and Fridays (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** September 6 to September 27	30%
National Day for Truth and Reconciliation	September 30	
Block Week	October 3 to October 7	
Thanksgiving	October 10	
Phase 2	**Design Development** September 27 to November 4	30%
Term Break	November 6 to November 12	
Phase 3	**Final Design and Presentation** November 14 to December 7 Date of Final Presentation, first week of exams, date TBD	30%
Phase 4	**Portfolio** Due after Final Presentation, Date TBD	10%

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: Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; 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/. 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. The full policy on Student Accommodations is available at http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf.

ACADEMIC MISCONDUCT: Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Most commonly plagiarism exists when: (a) the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work, (b) parts of the work are taken from another source without reference to the original author, (c) the whole work (e.g., an essay) is copied from another source, and/or, (d) a student submits or presents work in one course which has also been submitted in another course (although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved. While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism is an extremely serious academic offence. Any suspicion of plagiarism will be reported to the Dean and dealt with as per the regulations in the University of Calgary Graduate Calendar. For information on academic misconduct and its consequences, please see the University of Calgary Calendar at http://www.ucalgary.ca/pubs/calendar/current/k.html

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.

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.

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://ucalgary.ca/student-appeals/

MEDIA AND RECORDING: 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.

More student support and resources (e.g. safety and wellness) can be found here:
https://www.ucalgary.ca/registrar/registration/course-outlines