UNIVERSITY OF CALGARY
SCHOOL OF ARCHITECTURE,
PLANNING AND LANDSCAPE

Winter 2024

Course Number	ARCH 514	Classroom	TBD
Course Name	Studio II in Architecture		
Pre/Co-Requisites	ARCH 512 – Graphics Workshop II		
Instructor	**Seyi Arole**: oluwaseyi.arole@ucalgary.ca **Dustin Couzens**: dustin@moda.ca **Guy Gardner**: gegardne@ucalgary.ca **Marta Sensidoni**: marta@sensidesignstudio.com **Matthew Parker**: mdparker@ucalgaryca – Coordinator	**Office Hours/Location**	By Appointment
Class Dates	MTRF 14:00 – 20:00		
Instructor Email Policy	Please note that all course communications must occur through your @ucalgary email, and we will respond to emails sent via student's @ucalgary emails within 48 hours.		

Course Description:

Studio Two in Architecture is a required course in the Master of Architecture program and ARST Minor option. It builds off the foundational skills developed in Studio One and is structured around several design exercises that explore formal, contextual, material, spatial, and social aspects of urban dwelling through the design of a medium-sized mixed-use project that includes multifamily housing. Framed through theories of what architecture is today, what it has been in the past, and what it could become, students are challenged to dispel presumptions about the field in favour of open-ended experimentation and tactile learning.

The studio is structured in three major projects that foreground different fundamental aspects of architecture's practice and test students' ideas through rigorous design and making practices. Project One foregrounds architecture's many mediums and its relationship to geometry and materiality as strategies for developing formal systems and tectonic strategies across scales. It will use these strategies to analyze architectural precedents as a technique to explore program, scale, and composition. Project Two explores architecture's relationship to site and how massing is derived from contextual analysis. Project three synthesizes the former projects towards the design of a medium-sized mixed-use multifamily housing architecture.

The course will be structured around lectures, tutorials, design projects, required readings, in-class discussions, student presentations, desk-crits, pin-ups, and juried reviews.

Course Hours: 6 units; (0 - 8)

Course Learning Outcomes:
Through this course, students will:
1. Acquire knowledge through a design process that integrates critical thinking with design thinking.
2. Develop a consciousness of and become conversant in the discipline of architecture and its fundamentals.
3. Develop skills to explore and manipulate architectural space and forms towards design intentions.
4. Develop an awareness of architecture's relationship to functional programs and learn to tune the relationship between architectural form and program towards design intentions.
5. Develop an awareness of architecture's relationship to site and context and learn to tune architectural responses to existing conditions through analysis and design.
6. Develop skills to explore and document architectural ideas through analysis, interpretation, and iteration as a synthetic process.
7. Develop skills to think and iterate through making (physical testing, material experimentation, prototyping) using digital tools for analysis, form generation and fabrication.
8. Gain facility around materiality and performance in architecture.

Learning Resources:
No textbooks are required for this class. The Teaching Team will supply required readings and on-line resources throughout the semester that align with topics, tools and techniques covered in specific assignments. The Teaching Team will also provide a list of recommended materials that students will need to purchase for the successful completion of the Projects.

Technology requirements (D2L etc.):
To successfully engage in their learning experiences at the University of Calgary, students are required to have reliable access to the following technology:
- Access to a laptop that meets or exceeds the requirements as laid out by SAPL's Laptop & Software Recommendation (https://sapl.ucalgary.ca/current-students/resources/laptop-software)
- Software:
    o Rhinoceros 7 (or higher) / Grasshopper
    o Blender
    o Adobe Creative Cloud (InDesign, Illustrator, Photoshop)
    o Assignment Specific Plugins and Software

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.

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.

TEACHING APPROACH

The studio will be conducted in person and divided into sections of 10-15 students. Each section will have its own instructor who may choose to particularize the studio experience but will maintain the overall pedagogical structure of the course, ensuring a consistent baseline of workload and the teaching of fundamental skills. Section instructors will provide detailed project briefs throughout the semester and offer guidance and critical feedback through regular desk crits, informal lectures, and formal reviews. The grading criteria identified below are shared across sections and will be detailed in each project brief.

The course is coordinated with the Co-requisite ARCH 512 Graphics Workshop II to support the development of essential architectural skills.

Assessment Components:

Assessment Method	Description	Weight	Aligned Course Learning Outcome
Project 1	Project 1 explores formal methodologies that engage digital and physical explorations towards the design and prototyping of a domestic interior object.	30%	1, 2, 3, 6, 7, 8
Project 2	Project 2 explores the role of massing and siting architecture within and across various contexts.	30%	1, 2, 3, 4, 5, 6

Project 3	Project 3 asks students to synthesize their explorations from projects 1 & 2 towards a multi-family mixed use residential project.	35%	1, 2, 3, 4, 5, 6, 7, 8
Monograph	A course portfolio documenting the work of all projects in a unified document.	5%	

Assessment and Evaluation Information

Attendance and Participation Expectations: Students are expected to complete all assignments, be present in studio on Tuesdays and Fridays (and other studio days as required) and attend all lectures and reviews. Students are also expected to read any assigned readings. Detailed project descriptions will be provided throughout the term by the studio instructors.

Guidelines for Submitting Assignments: Students will submit assignments for grading according to the guidelines given by their studio section instructor.

Final Examinations: This course does not have a final exam. Evaluation is based on the breakdown of Projects listed above, which include mid term and final review presentations.

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

Late Assignments: Students will lose a half-letter grade for every 24 hours that their work is late. Eg. A+ to A.

Criteria that must be met to pass: A passing grade in all Projects is required in order to pass the course as a whole.

Evaluation Criteria: Student work will be evaluated based on the below criteria. Section instructors will include their rubric for evaluation with assignment handouts and may include additional criteria at their discretion.
- **Critical Thinking**—the project demonstrates a creative and thoughtful response to the given subject matter. The student works through an iterative process to test and refine their ideas critically.
- **Technique**—the execution of deliverables demonstrates technical proficiency in the use of the architectural skills taught.
- **Professionalism**—the student is present and on time, contributes positively to studio culture, is prepared for reviews, fulfills interim deliverables. In general, they conduct themselves in a professional manner.
- **Completeness**— All project deliverables are completed.

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/f-1-3.html

CACB Student Performance Criteria (for Architecture courses only)

The following CACB Student Performance Criteria will be covered in this course at a primary level:

A1. Design Theories, Precedents, and Methods: The student must demonstrate an ability to articulate a design process grounded in theory and practice, an understanding of design principles and methods, and the critical analysis of architectural precedents.

A2. Design Skills: The student must demonstrate an ability to apply design theories, methods and precedents to the conception, configurations, and design of buildings, spaces, building elements, and tectonic components.

A3. Design Tools: The student must demonstrate an ability to use the broad range of design tools available to the architectural discipline, including a range of techniques for two-dimensional and three-dimensional representation, computational design, modeling, simulation, and fabrication.

A4. Program Analysis: The student must demonstrate an ability to analyze and respond to a complex program for an architectural project that accounts for client and user needs, appropriate precedents, space and equipment requirements, the relevant laws, and site selection and design assessment criteria.

A5. Site Context and Design: The student must demonstrate an ability to analyze and respond to local site characteristics, including urban, nonurban, and regulatory contexts; topography; ecological systems; climate; and building orientation in the development of an architectural design project.

B1. Critical Thinking and Communication: The student must demonstrate an ability to reach clear and precise questions; record, assess and comparatively evaluate information; synthesize research findings and test potential alternative outcomes against relevant criteria and standard; reach well-supported conclusions related to a specific project or assignment; and write, speak, and use visual medial effectively to appropriately communicate on subject matter related to the architectural discipline with the profession and general public.

Topic Areas & Detailed Class Schedule *Subject to Change*

Course Schedule Date	Topic	Assignments/Due Dates
Jan 8 – 12	Course Introduction / Project 1 Assigned	
Jan 22 – 26	Project 1 Interim Review	
Feb 5 – 9	Project 1 Review	Project 1 Due
Feb 12 – 16	Winter SAPL Block week	
Feb 19	Family Day Observed	
Feb 19 – 23	Winter Term Break	
Feb 26 – Mar 1	Project 2 Assigned	
Mar 11 – 15	Project 2 Review	Project 2 Due
Mar 18 – 22	Project 3 Assigned	
Mar 29	Good Friday – University closed	
Apr 1	Easter Monday – University closed	
Apr 15 – 19	Final Review week	Project 3 Due Monograph Due

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