



ARCH 514: Studio II in Architecture
SAPL, University of Calgary
Full Course, Winter 2023

Mondays, (Tuesdays), Thursdays, and (Fridays), 14:00 -18:00 hrs., Delivered In-Person and Online

Instructors: Jessie Andjelic jessie@spectacle-bureau.com
 Immanuel Arole (Seyi) oluwaseyi.arole@ucalgary.ca
 Matt Parker mdparker@ucalgary.ca
 Guy Gardner gegardne@ucalgary.ca
 Catherine Hamel chamel@ucalgary.ca (Coordinator)

REPURPOSING: ADAPTIVE REUSE INTO HOUSING +

This is the second studio course in the Master of Architecture Program Foundation and ARST options. It examines formal, contextual, material, spatial, and social aspects of urban dwelling through the design of an adaptive reuse of wasted/underutilized spaces and buildings. The site will be east of Deerfoot in Calgary for medium-sized mixed-use project that includes multifamily housing.

Questions addressed include: what's the play between old and new and how does history interact with the present and future? How can such interactions be expressed through architecture to bridge opportunities from the past with present opportunities to address potential future concerns within the built environment? How much resistance, respect or intrusion does architecture need to express to initiate these interactions?

The act of dwelling addresses future characters of the built environment and the context it inhabits and shapes. As the world moves from a model of single to shared ownership, what is the apartment housing style looking like for the future? Does it remain as is or does it follow the office model steering towards shared workspace to become a temporary /shared model? The range of housing and housing opportunities steer towards these future possibilities and new alternatives.

This studio provides an opportunity to learn about urban environments and inhabitation, and to innovate in these areas. Each studio section will follow the same basic set of requirements, but will use varying sites, programs, and approaches. This studio course will use of range of methods including online reviews, informal lectures, and related exercises. Each studio section instructor will provide detailed handouts during the semester.

OBJECTIVES

1. To develop foundational (form, volume, composition, scale) design skills through the design of a medium-sized adaptive reuse (Housing + ...) mixed-use project.
2. To develop abilities in design conceptualization and development, through massing, siting, program analysis, material assemblies, and processes.
3. To understand and apply design approaches to existing buildings while learning and responding to urban environments, integrating built form, landscape, and urban context.

4. Understanding and responding to historic, current, and future opportunities, constraints, and dialogues.
5. To learn through making (physical testing, material experimentation, prototyping) using digital tools for analysis, form generation and fabrication.
6. To understand materiality, performance and form, and their scale as a factor that affects/influence perception within the built environment.
7. To continue to develop skills in architectural representation, presentation, communication (graphic and verbal) and idea development skills in parallel with the Graphics II course.

SCHEDULE AND ASSESSMENT COMPONENTS *Subject to change*

J 09	<i>Before the field</i>	Studio Description and Selection	
		Project A.01/02/03	[45%]
J 09 – J 19	<i>From the field</i>	Project A.01 [10%]	
		Mapping Territories: Context Analysis + Framework	
J 19 – F 02	<i>After the Field</i>	Project A.02 [20 %]	
		Considered Collisions: Materials + Patterns	
F 02 – F 16	<i>On the Field</i>	Project A.03 [15%]	
		A sense of Scale: Placement & Impact of an object	
F 20 – 24	<hr/>		READING WEEK
F 27 – M 10		Project B.01/02	[45%]
	<i>Field Notes</i>	Project B.01 [10%]	
		Live Precedents	
		+ Mixed use/ Multi-Unit Residential Building Preparation	
M 13 – 17	<hr/>		SAPL BLOCK WEEK
M 18 – A 12	<i>For the Field</i>	Project B.02 [35%]	
		Mixed use + Multi-Unit Residential Building	
A 12	Last Day of Classes		
A 17-21	Final Reviews (Dates to be Confirmed)		
A 21	Portfolio Hand-in		[10 %]

REFERENCES - further resources will be provide with project briefs.

- *Shifting Foundations, Tamar Shafrir*
- *The Possibility of an Absolute Architecture, Pier Vittorio Aureli*
- *Familiar Horror: Toward a Critique of Domestic Space, Pier Vittorio Aureli*
- *Log 47: Overcoming Carbon Form, Fall 2019*
- *Possible Mediums, Kelly Bair, Kristy Ballie, Adam Fure, Kyle Miller*
- *Real Estates: Life Without Debt* ed. Jack Self
- *Floor Plan Manual: Housing, Oliver Heckmann and Friederijke Schneider*
- *Manual of Section - David J. Lewis, Marc Tsurumaki, and Paul Lewis*

- Welcome to your world. *Goldhagen, S. W. (2017).*
- Empathy in Design: Measuring How Faces Make Places. (*Sussman, A., & Ward, J. M. (2020, June 21).*)

links

- Welcome to Your World- *Sarah Williams Goldhagen* [link](#)
- <https://geneticsofdesign.com/>

Databases

<https://data.calgary.ca/>

<https://www.openstreetmap.org>

Historical walking tours

<https://www.heritagecalgary.ca/walking-tour>

Recently published census housing data releases

<https://www150.statcan.gc.ca/n1/daily-quotidien/220921/dq220921b-eng.htm>

<https://www.statcan.gc.ca/en/census/census-engagement/community-supporter/housing-2022-ii-life-cycle-impact-of-retrofits-london-v2.pdf> (perkinswill.com)

- [Property Research \(calgary.ca\)](http://calgary.ca) – for building plans / documents of existing buildings (there is a fee for services, so we should coordinate if we are going to do this for an existing building)

The following CACB Student Performance Criteria will be addressed in this course

Primary A1. Design theories, Precedents and Methods, A2. Design Skills, A3. Design Tools, A4. Program Analysis, A5. Site Context and Design, B1. Critical Thinking and Communication,

Secondary A8. Design Documentation, A6. Urban Design, B3. Architectural Theory, B4. Cultural Diversity and Global Perspectives, C2. Materials.

ASSESSMENT AND EVALUATION INFORMATION

Students are expected to follow all assignments, to be present in studio on Monday and Thursday afternoons (and as otherwise required by the schedule) and attend all lectures and reviews. Students are expected to read any assigned readings.

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 are expected to complete all course assignments on time. There will be no final exam but a final presentation. 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. If a student has questions about an assignment grade, the student can discuss grades 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>

WORKSHOP SAFETY TRAINING REQUIREMENT

This 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, at the start of the Fall term and has a completion deadline.

SPECIAL BUDGETARY REQUIREMENTS

The \$150 supplemental fees for all studio courses is charged to cover workshop costs of use and maintenance of hand tools, assorted power tools, CNC routers, laser cutters, 3D printers, and robotics.

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 FGS 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	

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