

Manager: **John Brown**
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Introduction

A research design studio in which students collaborate with design faculty in exploring projects that engage contemporary issues defining the built and natural environments. Students choose topics outlined by faculty research expertise, including sustainable design, digital design and fabrication, architecture and the contemporary city, and innovative practice. Studio to be taken with two EVDS half courses complimentary to the studio topic.

Objectives

1. To develop an understanding of how financial, legislative, technical, and social realities impact the development of a medium scaled architectural project.
2. To develop an awareness of best practice models and precedent projects for mixed-use medium-density residential infill projects.
3. To develop the ability to apply the results of a research investigation towards the development of an architectural design project.
4. To develop the ability to design a mixed use medium density residential project that challenges conventional norms of redevelopment while still taking into account the realities of financial feasibility, normative constructability, and public input.

Teaching Approach

This is a research studio attached to **makeCalgary**: the Faculty's community based research platform. The goal of **makeCalgary**: is to integrate real world projects and engagement with industry professionals and community leaders into the academic program. This form of project based work is a critical opportunity for faculty researchers, students, and industry professionals to 1)work together and analyze current trends in architecture, planning, and environmental design practice; 2) challenge current professional orthodoxies; and 3) propose new strategies, processes, and technologies that are better suited to address the current environmental and socio-cultural challenges and opportunities.

The studio will benefit from the involvement of Charron Unger, CEO of Avi Urban, one of the city's leading residential construction firms. It will also benefit from the involvement of the Tri-wood Community Development Committee. In addition the class will participate in a group project with MBA students in the Real Estate Development and Entrepreneurship Program (REEP).

Content: Topic Areas

The studio will engage the research question of how to critically increase the density and diversity of land use within an existing community. More specifically it will explore the strategic deployment of the mixed-use medium density residential building typology as a redevelopment strategy within the community of Tri-Wood, one of Calgary's first ring suburbs.

The studio will be based on a preliminary research investigation into the financial, legislative, technical, and social contexts in which this kind of development occurs. Students will develop individual projects that test the boundaries of these contexts.

PROJECT PHASES

Phase 1: Environmental Scan

A group project to develop a database of precedent mixed-use medium density residential infill projects.

Phase 2: Minor Project

A group (2-3 students/group) project to develop an urban design proposal for a green field site in conjunction with MBA students in the Real Estate and Entrepreneurship Program and EVDS students in the community planning studio.

Phase 3: Major Project

An individual design project of a mixed-use medium density residential infill projects on one of three sites in the community of Tri-Wood. The project will involve the participation of the Tri-Wood Community Association and culminate in a public open house discussion of the work at the end of term. Students will define their own functional program as part of the design process. Each project must incorporate some interpretation of Culture Space.

Phase 4: Documentation

An individual project to document the work of the semester in an 8.5x11 PDF publication. The document will contain graphic and written descriptions of the minor and major design projects as well as a written critical reflection on the research work. Graphic standard for the publication and further details on the critical reflection will be provided during the term.

A more detailed set of requirements for each phase will be provided during the term.

Course Schedule:

The class is scheduled Monday, Tuesday, Wednesday, and Friday afternoons (2:00-6:00) and it is expected that students will be present and working in the studio during these times. Generally speaking, group discussions, desk crits, and reviews will be conducted on Tuesdays and Fridays. Field trips may or may not be able to be scheduled during regularly scheduled classes.

Means of Evaluation

The course evaluation will be based on the projects to be completed during the term. Each project will be graded for both content and presentation. There will be no final examination.

Phase 1: 10%

Phase 2: 20%

Phase 3: 60%

Phase 4: 10%

Total: 100%

Grading Scale

Faculty shall use the following methods for reporting grades and for determining final grades. Final grades shall be reported as letter grades, with the grade point value as per column 2. Final grades shall be calculated according to the 4-point range in column 3. Should faculty members evaluate any individual exams or assignments by percentage grades, the equivalents shown in column 4 shall be used.

Students must be informed of the method of calculation, and should be able to, from the grades provided by the instructor, determine their standing.

Final grades will be reported as letter grades, with the final grade calculated according to the 4-point range. Assignment(s) evaluated by percentage grades, will be converted into letter grade equivalents as shown.

Grade	Grade Point Value	4-Point Range	Percent	Description
A+	4.00	4.00	92.5-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	85-92.49	Excellent - superior performance showing comprehensive understanding of the subject matter
A-	3.70	3.50-3.84	80-84.99	Very good performance
B+	3.30	3.15-3.49	76-79.99	Good performance
B	3.00	2.85-3.14	73-75.99	Satisfactory performance
B-	2.70	2.50-2.84	70-72.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	66-69.99	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	63-65.99	
C-	1.70	1.50-1.84	60-62.99	
D+	1.30	1.15-1.49	56-59.99	
D	1.00	0.50-1.14	50-55.99	
F	0.00	0-0.49	0-49.99	

Notes:

- 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.

Readings

Readings will be assigned as required over the course of the term.

Special Budgetary Requirements

The University has approved supplemental fees for this course in the amount of \$92.00

CACB Student Performance Criteria:

The following CACB Student Performance Criteria will be covered in this course at a secondary level: A3: Graphic Skills; B1: Design Skills.

Notes:

1. Written work, term assignments and other course related work may only be submitted by e-mail if prior permission to do so has been obtained from the course instructor. Submissions must come from an official University of Calgary (ucalgary) email account.
2. It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. (<http://www.ucalgary.ca/drc/node/46>) Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.
3. Plagiarism - 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 (this includes having another

impersonate the student or otherwise substituting the work of another for one's own in an examination or test), (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. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis. Any suspicion of plagiarism will be reported to the Dean, and dealt with as per the regulations in the University of Calgary Graduate Calendar.

4. Information regarding the Freedom of Information and Protection of Privacy Act (<http://www.ucalgary.ca/secretariat/privacy>) and how this impacts the receipt and delivery of course material
5. Emergency Evacuation/Assembly Points (<http://www.ucalgary.ca/emergencyplan/assemblypoints>)
6. Safewalk information (<http://www.ucalgary.ca/security/safewalk>)

Contact Info for: Student Union (<http://www.su.ucalgary.ca/page/affordability-accessibility/contact>);
Graduate Student representative (<http://www.ucalgary.ca/gsa/>) and Student Ombudsman's Office (<http://www.su.ucalgary.ca/page/quality-education/academic-services/student-rights>)