

## ARCH 493 Design Studio/Comprehensive Building Design

### Course Information

Fall 2021

ARCH 493 - 001 Design Studio/Comprehensive Building Design

Units: 1.5 units

MTh 9:30AM - 12:20PM and 1:30PM - 5:20PM

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### Territorial Acknowledgement

We acknowledge that the School of Architecture is located on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee peoples. The University is situated on the Haldimand Tract, the land promised to the Six Nations that includes 10 kilometres on each side of the Grand River. (see references here: <https://uwaterloo.ca/engineering/about/territorial-acknowledgement>)

### Course Description

This studio represents a culmination of the pre-professional degree, through the integration and application of skills and knowledge to a complex building project. Students will develop designs to a high level of detail. A concern for technical material, environmental and legal aspects of architecture will support open speculation and innovative design.

### Learning Objectives

By the end of the course, students will be able to:

- Reveal a meaningful sense of place through research and design
- Demonstrate how knowledge of the natural and constructed environment contribute to design decisions and methodology
- Recognize architecture's role in the production of climate change and carbon
- Integrate dynamic systems, ecological networks, and site design into a building strategy
- Understand the role of time and narrative in structuring dynamic spaces
- Integrate contemporary design practices and theories into design proposals
- Pursue individual design concerns, observations and ideas about the course content at multiple scales.

### Required Text

Short readings along with links to selected online resources will be provided throughout the term and assigned week by week. Guest lecturers and critics may assign readings before they present. Familiarity with all of the above are required for class discussion and evaluation.

## Course Requirements and Assessment

### P1 – Schematic Design

30% of ARCH 493 grade.

Assigned on September 9, 2021. Deadline for submission on LEARN on October 6, 2021 at 10:00 pm.

### P2 – Technical Report

100% of ARCH 473 grade.

Assigned on October 18, 2021. Deadline for submission on LEARN on November 17, 2021 at 10:00 am.

### P3 – Design Development

70% of ARCH 493 grade.

Assigned on November 22, 2021. Deadline for submission LEARN on December 12, 2021 at 10:00 am.

Failure to pass Project 3 will result in a course fail. A separate detailed project assignment will be provided for each project. All submissions are digital pdf submissions with a maximum size of 50MB per project. Each assignment you submit during the term will be assessed on the following basis:

1. Ambition and appropriateness in relation to the course material and assignments
2. Integrity and clarity in the development and presentation of your investigations
3. Breadth and depth of investigation framed by the course material and your interests
4. Craft and precision of the architectural expression
5. Completeness and communication in the documentation to express your intentions

## Topics & Schedule

Studio hours are Mondays and Thursdays from 9:30am-12:30pm and 1:30pm–5:30pm EST on days as indicated on the schedule below. Students are required to be working and available for online video and audio sharing and discussion, attend and participate in all scheduled reviews, presentations, lectures and events that occur during these hours. Detailed schedules for each week will be sent before the start of Monday's class.

## Course Delivery Platforms & Communication

During blended/remote learning, we will be using additional platforms to deliver, organize and share course content, learning and work. Here is a breakdown of tools we will use in this course:

MS TEAMS – Virtual Hub for the course. Used for organizing course documents, activities, and discussions. Students will be added to the course team in the first week of class.

LEARN – Official communication, work submission, and grade recording and release.

Miro – collaborative whiteboard to share, discuss, and annotate visual work.

Participants in this course will be required to set up their own MS TEAMS meetings to work on their Project and should familiarize themselves with the platforms before the start of the course.

### In-person Activities Planning

If course activities are impacted by a change in restrictions to in-person activities, such as changes in room occupancy limits, the instructor will communicate updated in-person activity plans. These plans may alter student plans for in-person activities.

### Course Time Zone

All dates and times communicated in the document are expressed in Eastern Time. Eastern Standard Time (EST, UTC-05:00) applies November to March and Eastern Daylight Time (EDT, UTC-04:00) applies from March to November.

### COVID-19 Special Statement

Given the continuously evolving situation around COVID-19, students are to refer to the University of Waterloo's developing information resource page (<https://uwaterloo.ca/coronavirus/>) for up-to-date information on academic updates, health services, important dates, co-op, accommodation rules and other university level responses to COVID-19.

### Student Notice of Recording

The course's official Notice of Recording document is found on the course's LEARN site. This document outlines shared responsibilities for instructors and students around issues of privacy and security. Each student is responsible for reviewing this document.

Individual desk critiques or meetings and small group meetings will not be recorded. Project introductions and lectures by the instructor may be recorded and uploaded to LEARN only for your future reference during the course of the term.

### Late Work

Assignments that are handed in late will receive 0% unless otherwise indicated in writing. No late work will be accepted.

Only in the case of a justified medical or personal reason will these penalties be waived, and only if these have been officially submitted to the [Undergraduate Student Services Co-Ordinator](#) and accepted by the Undergraduate Office.

Students seeking accommodations due to COVID-19, are to follow Covid-19-related accommodations as outlined by the university here: (<https://uwaterloo.ca/coronavirus/academic-information#accommodations>).

### Passing Grades

The standard minimum passing grade in each ARCH course is 50% with the following exceptions: the minimum passing grade is 60% for all studio courses (ARCH 192, ARCH 193, ARCH 292, ARCH 293, ARCH 392, ARCH 393, ARCH 492, and ARCH 493). Grades below the specified passing grade result in a course failure.

### Mental Health Support

All of us need a support system. We encourage you to seek out mental health supports when they are needed. Please reach out to Campus Wellness (<https://uwaterloo.ca/campus-wellness/>) and Counselling Services (<https://uwaterloo.ca/campus-wellness/counselling-services>).

We understand that these circumstances can be troubling, and you may need to speak with someone for emotional support. Good2Talk (<https://good2talk.ca/>) is a post-secondary student helpline based in Ontario, Canada that is available to all students.

### Equity, Diversity and Inclusion Commitment

The School of Architecture is committed to foster and support equity, diversity and inclusion. If you experience discrimination, micro-aggression, or other forms of racism, sexism, discrimination against 2SLGBTQ+, or disability, there are several pathways available for addressing this:

A) If you feel comfortable bringing this up directly with the faculty, staff or student who has said or done something offensive, we invite you, or a friend, to speak directly with this person. People make mistakes and dealing them directly in the present may be the most effective means of addressing the issue.

B) you can reach out to either the [Undergraduate office](#), [Graduate office](#), or Director ([Anne Bordeleau](#)). If you contact any of these people in confidence, they are bound to preserve your anonymity and follow up on your report.

C) You can choose to report centrally to the Equity Office. The Equity Office can be reached by emailing [equity@uwaterloo.ca](mailto:equity@uwaterloo.ca). More information on the functions and services of the equity office can be found here: <https://uwaterloo.ca/human-rights-equity-inclusion/about/equity-office>.

D) [Racial Advocacy for Inclusion, Solidarity and Equity \(RAISE\)](#) is a student-led Waterloo Undergraduate Student Association (WUSA) service launching in the Winter 2019 term. RAISE serves to address racism and xenophobia on the University of Waterloo campus with initiatives reflective of RAISE's three pillars of Education and Advocacy, Peer-to-Peer Support, and Community Building. The initiatives include but are not limited to: formal means to report and confront racism, accessible and considerate peer-support, and organization of social events to cultivate both an uplifting and united community. You can report an incident using their [online form](#).

### Academic integrity, grievance, discipline, appeals and note for students with disabilities:

Academic integrity: In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. [Check [the Office of Academic Integrity](#) for more information.]

Grievance: A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read [Policy 70, Student Petitions and Grievances, Section 4](#). When in doubt, please be certain to contact the department's administrative assistant who will provide further assistance.

Discipline: A student is expected to know what constitutes academic integrity to avoid committing an academic offence, and to take responsibility for his/her actions. [Check [the Office of Academic Integrity](#) for more information.] A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course instructor, academic advisor, or the undergraduate associate dean. For information on categories of offences and types of

penalties, students should refer to Policy 71, Student Discipline. For typical penalties, check Guidelines for the Assessment of Penalties.

Appeals: A decision made or penalty imposed under Policy 70, Student Petitions and Grievances (other than a petition) or Policy 71, Student Discipline may be appealed if there is a ground. A student who believes he/she has a ground for an appeal should refer to Policy 72, Student Appeals.

Note for students with disabilities: AccessAbility Services, located in Needles Hall, Room 1401, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with AccessAbility Services at the beginning of each academic term.

Turnitin.com: Text matching software (Turnitin®) may be used to screen assignments in this course. Turnitin® is used to verify that all materials and sources in assignments are documented. Students' submissions are stored on a U.S. server, therefore students must be given an alternative (e.g., scaffolded assignment or annotated bibliography), if they are concerned about their privacy and/or security. Students will be given due notice, in the first week of the term and/or at the time assignment details are provided, about arrangements and alternatives for the use of Turnitin in this course.

It is the responsibility of the student to notify the instructor if they, in the first week of term or at the time assignment details are provided, wish to submit the alternate assignment.