

ARCH 193 : DESIGN STUDIO

SCHEDULE:

Mondays + Thursdays: 9:30 - 12:30, 1:30 - 5:30

INSTRUCTORS:

Rick Andrighetti
Jennifer Esposito
Jaliya Fonseka
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TEACHING ASSISTANTS:

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Office hours upon request

TERRITORIAL ACKNOWLEDGMENT:

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:

Students coming into this studio from first semester will have been introduced to architectural concepts, analysis, and representation. In order to build on this foundation, this course will broaden the range of design activities and investigations that can serve as project drivers. This will reinforce that design is a non-linear process, and that this process can be approached through a variety of investigations, experiments, and activities. In this course specifically, we will deal with formal and structural exploration, abstraction and diagramming, mapping, programming, sectional speculation, and rendering of experiential moments all potential activities that can stimulate and inform design. By pursuing a variety of design activities, this studio will foreground independent inquiry, where students are free to explore a variety of interests and motives, which will be supported by instructors.

These design activities will be implemented in a set three projects that are designed to challenge common architectural processes. As such, students will be asked to remain open minded, to challenge themselves, to remain inquisitive, and to seek answers through discussion and iteration.

Projects & Learning Objectives:

P1: Formal Language

In project 1, students will develop a formal language by experimenting with 3D modeling operations and guiding structures. Once a systematic and flexible formal language is in place, it will serve as a speculative architectural design driver.

Learning Objectives:

- Digital iteration
- Formal & tectonic logic as design driver
- Designing systems rather than objects

P2: Reverse Competition

To prepare for project 3, this project will serve as a case study on the library typology. To execute this case study, students will put themselves in the mind of the project architects, developing a graphic competition proposal to communicate the key ideas of the project.

Learning Objectives:

- Diagramming & abstraction as design driver
- Graphic storytelling & hierarchy of concepts
- Understanding of historical and contemporary approaches to library and community hub design

P3: Library + Community Hub

Building on skills up to this point, students will design a modern library/community hub in an urban context. A series of charettes testing different design activities will stimulate this design project. Through the development of the project, students will be encouraged to incorporate environmental and structural knowledge from parallel technical courses.

Learning Objectives:

- Program, section, vignette, massing, and site analysis as design drivers
- Ability to craft vibrant, inclusive, and functional, community spaces
- Ability to spatially curate conflicting and diverse programmatic requirements in a small footprint
- Environmental stewardship strategies informing material and tectonic approaches

COURSE REQUIREMENTS AND ASSESSMENT:

P1 - Formal Language - 25%

P1.1 - Language development - 10%

P1.2 - Language implementation - 15%

P2 - Reverse Competition (*Group*) - 20%

P3 - Library + Community Space - 55%

P3.1 - Design Activities (*Completion*) - 10%

P3.2 - Mid Review - 20%

P3.3 - Final - 25%

Assessment information will be circulated with each project however, overarching tips for success include:

- **Intellectual Clarity:** Enquiry and extension of the course material will be essential to producing successful explorations. Students must be able to clearly articulate their design ambitions, intellectual underpinnings and all design work in discussions, desk crits, pin-ups and presentations.

- **Independent Enquiry:** Students are expected to advance their projects through self-motivated and self-framed agendas and pursuits. Projects are seen as offering students a framework through which to explore and exercise architectural skills.

- **Technique:** All work must be executed with intent and care where the precision and craft of artefacts created are continuously valued.

- **Attendance & Steady Progress:** Work should be developed over the entire phase of a project. Iteration and incremental development is paramount.

- **Completion:** Timely completion of work is expected

The following is offered as a guide to numerical grade assignments:

=>90: Consistent exemplary work that exceeds expectations. Work is holistically thought provoking and executed at a very high level.

85-89: Some elements of work are exceeding expectations and executed at a high level but this level of achievement is not maintained throughout all project elements

80-84: Work is consistently above average and student is actively participating and actively engaging the course material

77-79: Average work. Student is completing work in a timely manner and participating in the course. No attendance issues. Shows expected levels of competency in course materials.

70-76: Work is compete and meets expectations on some points while operates below expectations on others

50-69: Work is incomplete or completed with minimal comprehension and effort.

< 50: Work is unacceptable and does not fulfill the requirements.

STRUCTURE:

Mondays (7 instructors):

Mondays will generally be for formal “desk” critiques. There will be seven sections to maximize one-on-one time. Students are expected to generate a significant amount of novel work for these critiques. Time outside of these critiques should be used for working on studio projects.

Thursdays (5 instructors + TAs):

Thursdays will be set aside for informal check-ins group pin ups or reviews, and curated design activities. This is a great day to produce new work, get a second opinion, share your work with your peers, and so on.

TIME EXPECTATIONS

ARCH 193 occupies two full days of your week. It is expected that all of your studio work can be completed during these tow work days and up to one additional day. This adds up to up to 14 - 21 hours a week. Please keep this in mind when planning your time, and notify the Coordinator if there are persistent issues completing work within this time frame.

SCHEDULE

See Calendar

REMOTE COURSE DELIVERY PLATFORMS & COMMUNICATION:

During 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:

Teams:

- Live lectures and tutorials
- Archived recordings of lectures and tutorials
- Course document archive
- Live documents such as sign up sheets
- Meetings, critiques, and reviews
- Messaging for informal chats and questions

Learn:

- Submissions
- Grades

Email:

- Formal announcements and communications

Miro:

- Each student will have a pin up space in Miro to support individual critiques and cross class sharing
- Miro will be used to support group crits and reviews

SUBMISSIONS:

All assignments will be submitted on Learn. When possible, please combine files into a single PDF. Large PDFs should be compressed using Acrobat Pro or smallpdf.com.

Late Submissions:

Assignments that are handed in late will receive 0%. 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 Coordinator 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>).

ADDITIONAL NOTES**Tips for success:**

- Practice good organization, time management, and healthy habits
- Build in time to learn
- Be prepared to iterate
- Think by producing
- Be curious, open-minded, and passionate
- Take risks
- Work steadily through the term
- Seize opportunities to connect to and learn from classmates, other UWSA peers, guests, and beyond
- As students become familiar with 3D modeling, it is important that they continue to produce drawings for critiques (to go on their Miro board). Showing a project by flying around a model can be very disorienting and it is difficult to annotate. In addition to this, the act of creating a drawing will reveal design issues and opportunities not present in a model.
- Due to the structure of this studio, you will often see multiple instructors and TAs over the course of one project. This makes it important for you to have ownership over your ideas and motives so that they remain strong as you get feedback from different sources. It is the role of the instructors to support your inquiry, not to tell you what your project is about.
- “Desk” critiques will take place in the sections. This means that it will be possible for other sections members to drop listen in on other crits and view peer work. While this cross-pollination is encouraged, students may request a private closed crit if they are uncomfortable with the open format.

COURSE TIME ZONE:

All dates and times communicated in the document are expressed in Eastern Time (Local time in Waterloo Ontario, Canada). From September 8 – October 24 2020 times are indicated in Eastern Daylight Time (EDT, UTC–4:00) and from October 25 – December 31 2020, times are indicated in Eastern Standard Time (EST, UTC–5:00)

WINTER 2021 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.

All live lectures, seminars and presentations including questions and answers will be recorded and made available through official course platforms (LEARN and/or MS Teams). Students wishing not to be captured in the recordings have the option of participating through the direct chat or question and answer functions in the meeting platforms used.

Individual desk critiques/meetings and small group meetings will not be recorded.

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:

At the School of Architecture, we are committed to foster and support equity, diversity and inclusion. We recognize however, that discrimination does occur, sometimes through an isolated act, but also through practices and policies that must be changed. If you experience discrimination, micro-aggression, or other forms of racism, sexism, discrimination against LGBTQ2S+, or disability, there are different pathways to report them:

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 may also choose to report centrally to the Equity Office. The Equity Office can be reached by emailing 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>.

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.

JAN				
Mon	Tues	Wed	Thurs	Fri
				1
4	5	6	7	8
W01	11 Course intro P01.1 assigned	12 Lecture series: Right to Remain @6:30pm	13	14 Group pin ups Lecture
W02	18 Desk crits P01.2 assigned	19	20	21 Group pin ups
W03	25 Desk crits	26	27 P01.1 & P01.2 due @ 10pm	28 P01 Reviews
				22 113: Modeling + Exporting 2
				29 113: Layered Drawings Pt1

FEB				
Mon	Tues	Wed	Thurs	Fri
W04	1 P02 assigned Lecture	2	3	4 Desk crits
W05	8 Desk crits	9 Lecture series: Anti-Extractivism @6:30pm	10	11 Desk crits
	15	16	17	18
W06	22 P03.1 assigned Lectures P02 Gallery	23	24	25 Charette 1
				26 113: Rendering 01

MARCH

	Mon	Tues	Wed	Thurs	Fri
W07	1 Lecture Charette 2	2	3	4 Charette 3	5 113: Rendering 02 Charette 4
W08	8 P03.2 Intro Crits P03.1 Hand in @ 10:00pm	9 Lecture series: Food Sovereignty @6: 30pm	10	11 Group pin ups	12 113: Hybrid/Action Drawing
W08.5	15	16	17	18 Group pin ups	19 113: Hybrid/Action Drawing
W09	22 Desk crits	23	24	25 Group pin ups	26 113: Seminars
W10	29 P03 Mid Review P03.2 Hand in @ 9:30 am	30	31		

APRIL

	Mon	Tues	Wed	Thurs	Fri
				1 Group pin ups	2
W11	5 Desk crits	6	7	8 Group pin ups	9 113: Seminars / Work Day
W12	12 Desk crits	13 P03.3 Hand in @ 10:00pm	14 1B Studio Final Reviews	15	16
	19	20	21	22	23
	26	27	28	29	30