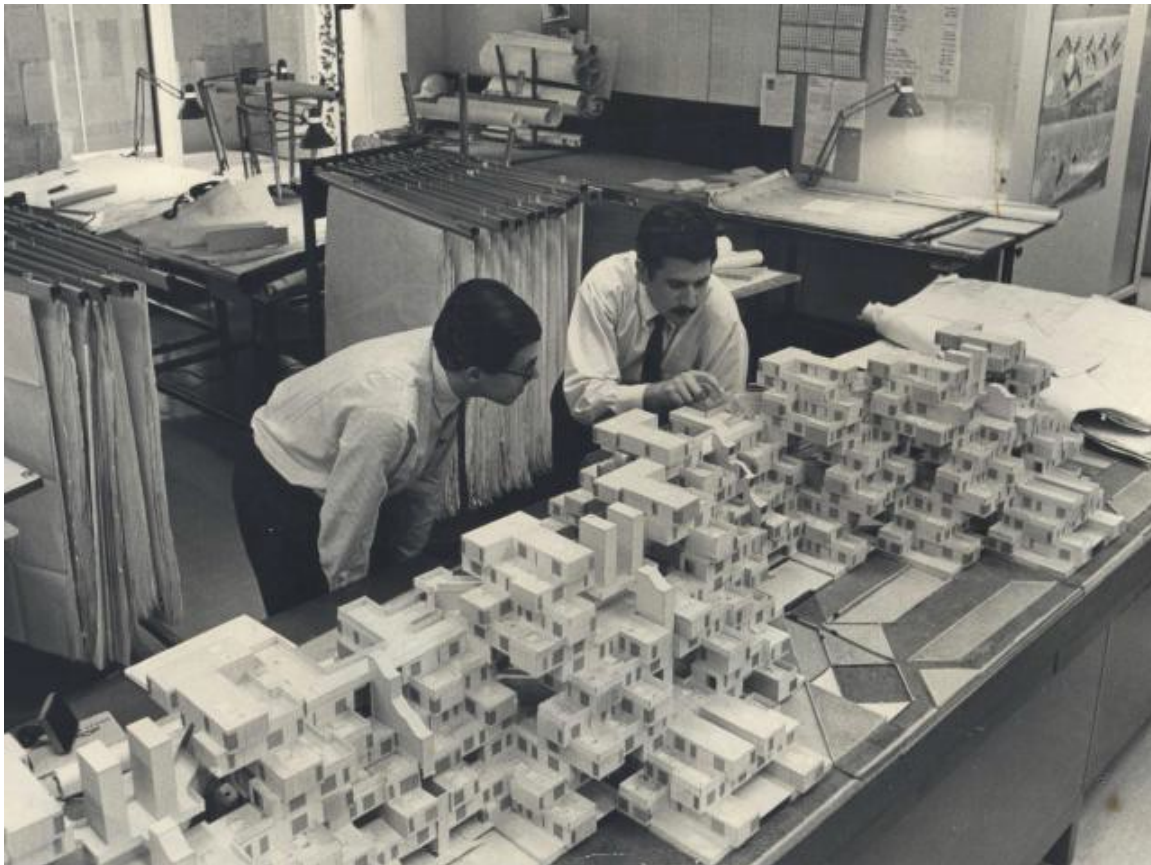**ARCH 693 Thesis Research and Design II (TRD2)**
Winter 2019

Moshe Safdie examining a model of Habitat, a design derived from his thesis at McGill University

> The only substantial freedom is to follow right to the end, to the place where it vanishes, the line along which power grows for a certain form-of-life. This raises our capacity to then be affected by other forms-of-life.

Tiqqun, *Introduction to Civil War*

> The experience is an experience in thinking [...] and it can be won, like all experience in doing something, only through practice, through exercises.

Hannah Arendt, *Between Past and Future*

Studio Coordinators

Anne Bordeleau – anne.bordeleau@uwaterloo.ca,
David Correa – david.correa@uwaterloo.ca,

Studio hours:
Wednesday, 1.30 pm - 5:20pm & 6:30 pm - 8.20 pm

TR&D II, OBJECTIVES AND STRUCTURE

There are two key requirements for any thesis:

> 1. A thesis needs to be an intellectual proposition that is supported by proofs and is therefore put forward for discussion. A master thesis needs to be presented as a well-researched and adequately supported argument but it does not need to be an original or unique contribution to the field. Your thesis can begin with an urgent question about the world we live in, and progresses as you define how architecture can address this question.

> 2. Your thesis needs to critically and creatively engage the practice of architecture

The goal of the winter term TR&D II studio is to provide a framework of lectures, workshops and scheduled deliverables that support your individual research and design work while working directly with your thesis supervisor. The TR&D II studio is scheduled to meet once a week, for a total of 6 hours a week.

On the scheduled studio hours, the expectation is that you will work in studio, attend lectures, and meet with your thesis supervisor (when possible).

Studio Structure:

The term consists of a series of organized events, lectures and submission requirements. Each event is structured to provide technical support on different aspects of your thesis development.

> **Lectures & Workshops**:
>
> Attendance to all events lectures and workshops is required
>
> **Thesis Presentation:**
>
> This is a short 5-minute (max) summary of the thesis argument and goals in order to familiarize the rest of the studio with individual thesis research areas. This presentation also serves as preamble / test to the 3MT presentation format.
>
> **Mid-Term Review**
>
> Each thesis candidate will make a 10-minute presentation of their ideas to a review panel, including external reviewers, peers and if possible, your individual thesis supervisor.

Thesis Statement and Essay

This is a 3000 – 5000 word original essay with visual artifacts. This document is a very abbreviated thesis in the format of an academic research paper. The document should include an abstract, introduction, description of methodology and theoretical / contextual framework, as well as a preliminary presentation of some of the first experiments and results.

As an appendix to the essay, you should also include a schedule for completion.

Three Minute Thesis (3MT) Presentation

Developed by University of Queensland (UQ) in 2008, this presentation requires students to use only 1 static slide and 3 minutes to explain the "breadth and significance" of their individual thesis research to a non-specialist audience. All thesis candidates are required to prepare and present a presentation following the 3MT format - entrance into the university wide competition is optional, but encouraged.

> *"Participation in the 3MT competition allows students to develop many different skillsets, and former competitors have commented on the value of their experience in a variety of areas.*
>
> - ***Presentation skills and public speaking****: 3MT coaching sessions will allow students to hone their presentation skills before the competition occurs. Additionally, public speaking can be a nerve-racking experience, yet is required in many careers. Competitors have an opportunity to overcome public speaking anxiety and practice this important skill.*
> - ***Research communication****: Graduate students enhance their ability to effectively explain the breadth and significance of their research to a non-specialist audience.*
> - ***Research perspective****: Seeing how a research project fits within the larger picture is an important skillset. Distilling a research project into a 3 minute general audience presentation allows participates to gain new perspectives on their research and helps contribute to their research and writing process."*

End of Term Review

At the final review students will be asked to present their thesis (in progress) to a review panel of critics, including their thesis supervisor. This feedback will help students to hone the thesis and organize it clearly into the final **Thesis Essay**. The presentation should include diagrams, drawings, models, artefacts or prototypes as required.

End of Term Colloquium

All students will present in an All School Colloquium and Exhibition. On April 5th, TR&D II will host a full day colloquium on your research. The program will run two parallel sessions (E-classroom and Main Lecture Hall). Each session will consist of three consecutive student presentations 10-minute max each (strict) followed by 30 minutes of discussion managed by a student moderator. Each session will be focused

on key disciplinary questions. The student moderator is responsible for managing the presenter's time as well as initiating the discussion by framing an initial question based on the main underlying topics for each panel.

Term Schedule:

Week	Month	Day	
1	Jan	9	Introduction/Discussion of the Term Lecture: Literature Review for your thesis 1:30 – 3:30 Anne Bordeleau and David Correa 3:45 – 5:30 Evan Schilling
2	Jan	16	Thesis Presentations (3 to 4 minutes; 5 to 10 slides) 1 :30 PM (loft) – **PLEASE SET UP LOFT SO WE CAN START PROMPTLY AT 1:30PM**
3	Jan	23	Lecture: Academic Integrity and Ethics of Research 6 PM (Main Lecture Hall), Erin Nearing

Week	Month	Day	
4	Jan	30	Lecture: Thesis Completion Workshop 6:30 – 8:30 Maria Barichello, Nathan Pirie and David Correa
5	Feb		Lecture: Indigenous Research Methods 1:30 – 3:30 Lori Campbell Lecture: Copyright and your Thesis 5:30 – 7pm Lauren Byl and Evan Schilling
6	**Feb**	**13**	**TRD II - Mid-Term Review** **1 :30 PM (LOFT)**
	Feb	*20*	*Reading Week - No Classes*
7	Feb	27	**TRD II – Thesis Essay (DRAFT) Due** **** (upload on LEARN and send to supervisor)**
	Mar	**6**	**Three Minute Thesis (3MT) – Presentations** **1 :30 PM (location TBA)**
9	Mar	13	Research Dissemination and Funding 1:30 – 3:30 PM (Loft)
10	**Mar**	**20**	**TRD II – FINAL REVIEW** **1:30 PM (loft)**
11	Mar	27	Lecture: Archival Research and your Thesis 5:30 – 7pm Jessica Blackwell
12	**Apr**	**3**	**TRD II – Thesis Essay (FINAL) + Term Portfolio** **** (upload on LEARN and send to supervisor)**
13	**Apr**	**5**	**TRD II – Thesis Colloquium** **9:30 AM (location and schedule details TBA)**

EVALUATION

The grade for the term will be based on the following breakdown:

20% Participation in lectures, workshops, colloquium and 3MT event
30% Thesis Essay - Draft
50% Thesis Essay / Term Portfolio – Final Submission

GENERAL INFORMATION

Please read the syllabus and the information below carefully. Your thesis research is a unique opportunity to conduct your own research and to position yourself within the discipline. As such Thesis Research + Design II requests not only requirements defined by the school policy but tries to prepare students for their professional life. Commitment to your work, collaboration among the group, self-motivation, participation and attendance in time will be critical.

If you run into problems during the semester or if you are concerned about your progress, please contact the coordinators at any time via email or request a meeting during the class. This class is meant to provide all support you need to develop your thesis and research. The deadlines are imposed here to track your own progress in your thesis work. Successful time management will be an important skill for your success.

Your thesis is a document that you will take with you for many years. It is likely the longest sustained individual research project you have undertaken so far in your architecture career and it may be the longest that you undertake in the future. You will be using it to get jobs, grant funding, future educational opportunities, and / or publications after graduation, so consider it as a key link between the long process of education you have undertaken and the career that stands ahead of you and make the most productive possible use of this rare opportunity for creative work.

Class Meetings
Lectures, workshops, events and class meetings will be held throughout the term at the beginning of studio days and at the end. Be prepared to meet every studio day promptly at 1:30 p.m. Please be punctual. Specific dates will be established as the term evolves, responding to class progress. Check your email late evening on the day before or early morning on studio days for updates on meeting times and locations.

Reviews
Reviews are not evaluations but rather the opportunity for a more public discussion of your work. It is important for each student to participate, not only in the review of their own work, but also in the reviews of the work of fellow students. Participation in class reviews and discussions is required.

Hand-in and Digital Submissions
Required format for each submission will be indicated in advance. A copy of each deliverable must be uploaded to LEARN as indicated by the course coordinators. Because your supervisor is continuously involved in the evaluation of your work, you are always required to also send a copy of the work you hand in directly to your supervisor via email.

Maintain the Studio
Cooperate in maintaining the studio space. If you play audio material, use headphones.

Attend Lectures and Work in Studio

Work in studio on studio days. Be in full attendance in studio at the scheduled studio times. If you are planning to visit the library or conduct off site research, please talk to your course coordinator.

And complete all parts of the work; submit your work on time

All assigned parts of the work must be completed. Punctual completion is required.

Accommodation for Illness but not for General Travel

If you need to apply for accommodation of lateness or absence due for illness, make a formal application by using 'Verification of Illness' [VIF] forms or counseling letters, filed with the Architecture Office. Student travel plans are not considered grounds for granting alternative reviews and submission times.

Academic Integrity

To maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. A student is expected to know what constitutes academic integrity to avoid committing an academic offence, and to take responsibility for his/her actions. 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 graduate Associate Director. 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. Note: "Plagiarism, which is the act of presenting the ideas, words or other intellectual property of another as one's own. The use of another people's work must be properly acknowledged and referenced […]. The properly acknowledged use of sources is an accepted and important part of scholarship. Use of such material without complete and unambiguous acknowledgement, however, is an offence under this policy."

References:

www.uwaterloo.ca/academicintegrity/
www.adm.uwaterloo.ca/infosec/Policies/policy71.htm.
www.adm.uwaterloo.ca/infosec/guidelines/penaltyguidelines.htm.

Students with Disabilities

AccessAbility Services (http://uwaterloo.ca/disabilityservices/), located in the new addition to 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 the office at the beginning of each academic term.

Communication with Faculty

During the term, we may need to send communication to you.
You should confirm your current active email address with the Graduate Student Service Coordinator and studio coordinators during the first week of class.