

SYLLABUS

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.

INSTRUCTOR

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INTRODUCTION

ARCH 110 is a foundation course in graphic practice. Students will be introduced to techniques, conventions, and theories of graphic communication and visual representation including orthographic and paraline drawing, mixed media, and digital media. To complement the lectures, lab sessions will allow students to build upon existing abilities, and develop a broad range of new skills.

Although course content focuses primarily on the technical skills required to communicate the space and substance of buildings and site, students should consider the act of drawing as an end in itself. Drawing is the primary means through which architecture is communicated and documented; however, drawing is also an act of seeing, thinking, and designing.

This course also serves as the conceptual and strategic foundation for more advanced digital representation.

COURSE GOALS AND LEARNING OUTCOMES

1. An understanding of the basic tools and media and a facility and care with their use;
2. a practical understanding of the techniques and conventions of architectural drawing types, and the ability to execute these standards with technical and conceptual precision and intent;
3. an exploration of possibilities for innovative extensions of these conventions;
4. an understanding of and care for drawing as a craft; and
5. conceptual, visual, and critical skills and awareness.

CACB STUDENT PERFORMANCE CRITERIA

The BAS/MArch program enables students to achieve the [accreditation standards](#) set by the Canadian Architectural Certification Board. This course addresses the following CACB criteria.

A8: Design Documentation

COURSE STRUCTURE

This course is broadly divided into four sections, each addressing a range of tools and techniques:

1. drawing fundamentals;
2. compositional theory and communication techniques;
3. thinking through drawing; and
4. experiential and narrative representation.

COURSE DELIVERY

9:30am-10:30am – lecture and detailed introduction to exercise

10:30am-12:00pm – tutorial

12:00pm-1:00pm – lunch

1:00pm-2:00pm –work time

2:00pm-4:00pm – TA support

4:00pm-5:00pm – group seminars

REMOTE COURSE DELIVERY PLATFORMS AND COMMUNICATION

Course delivery is in person; however, multiple platforms will be used to supplement in person delivery for communication purposes and to organize and share course content.

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

MS Teams: Remote lectures, remote desk crits, scheduling, course documents.

EVALUATION

Students must complete all exercises at an acceptable level and obtain a passing average to receive credit for this course. Specific criteria will be included with each exercise. Students will be advised as to how they may improve their content in a manner that is in line with their intent, but are responsible for all decisions.

EX1: Drafting	15%
EX2: Composition	15%
EX3: Diagrams	15%
EX4: Collage	15%
EX5: Composite	30%
Participation / Attendance	10%

LATE WORK

Only in the case of a documented medical or personal reason will additional late work be accepted, and only if officially submitted to the Undergraduate Student Services Coordinator and accepted by the Undergraduate Office. Students seeking accommodations due to COVID-19, are to follow the accommodations outlined by the university [here](#).

TEXTS & TOOLS

The following software applications are required for this course: Rhino, Adobe Photoshop, Illustrator, and InDesign. The required text for this course is Francis Ching's *Design Drawing*. Students are strongly encouraged to look at books, magazines, and relevant digital media as a way of developing architectural, and graphic literacy.

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](#) for up-to-date information on academic updates, health services, important dates, co-op, accommodation rules and other university level responses to COVID-19.

FAIR CONTINGENCIES FOR EMERGENCY REMOTE TEACHING

To provide contingency for unforeseen circumstances, the instructor reserves the right to modify course topics and/or assessments and/or weight and/or deadlines with due and fair notice to students. In the event of such challenges, the instructor will work with the Department to find reasonable and fair solutions that respect the rights and workloads of students, staff, and faculty.

MENTAL HEALTH SUPPORT

We all need a support system. We encourage you to seek out mental health supports as needed. Please reach out to [Campus Wellness](#) and [Counselling Services](#).

We understand that these circumstances can be troubling, and you may need to speak with someone for emotional support. [Good2Talk](#) is a post-secondary student helpline based in Ontario, Canada that is available to all students.

EQUITY, DIVERSITY, AND INCLUSION COMMITMENT

We are committed to foster and support equity, diversity, and inclusion. We recognize 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 with 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](#). 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](#).
- 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](#).

UNIVERSITY POLICIES

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. [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 or about "rules" for group work 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](#).

AI Policy: The use of AI is permitted in this course with attribution. In this course, students are permitted under certain conditions to use Generative AI Tools like ChatGPT and Midjourney to support their work. To maintain academic integrity, students must disclose any AI-generated material they use and with proper attribution. This disclosure should include AI generation whether in whole or part, including images, designs, in-text citations, quotations, and references.

The full extent of images and text passages should be cited. The following statement in assignments may be used to indicate general use of a Generative AI Tool: "The author(s) acknowledges the use of [Generative AI Tool Name], a model developed by [Generative AI Tool Provider], in the preparation of this assignment. The [Generative AI Tool Name] was used in the following way(s) in this assignment: [indicate, e.g., grammatical correction, gathering sources, generating specific images, etc]."

Caution: When using AI tools, it is important to be aware that the user data supplied might be utilized for training AI models or other purposes. Consequently, there is no guarantee that the information you provide will remain confidential. Instructors and students should exercise caution and avoid sharing any sensitive or private information when using these tools. Examples of such information include personally identifiable information (PII), protected health information (PHI), financial data, intellectual property (IP), and any other data that might be legally protected. Please be aware that generative AI is also known to falsify references to other work and may fabricate facts and inaccurately express ideas. GenAI generates content based on the input of other human authors and may therefore contain inaccuracies or reflect biases and bad taste.

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](#) 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.

SCHEDULE

WEEK 1

Fri Sept 8	EX1 Assigned – Drafting Lecture – Drawing Tutorial – Drafting
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WEEK 2

Fri Sept 15	EX 1 Pinups EX 1 DUE (11:59 PM ET)
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WEEK 3

Fri Sept 22	MONTREAL EX2 Assigned – Photography
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WEEK 4

Fri Sept 29	EX2 Pinups – Photography Lecture – Image Effectiveness Tutorial – Lightroom EX 2 DUE (11:59 PM ET)
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WEEK 5

Fri Oct 06	EX2b – Model Photography
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WEEK X

Fri Oct 13	STUDY WEEK
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WEEK 6

Fri Oct 20	EX3 Assigned – Diagrams Lecture – Diagrams <i>PM: Site Visit</i>
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WEEK 7

Fri Oct 27	EX3 Pinups – Diagrams Tutorial – Rhino EX 3 DUE (11:59 PM ET)
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WEEK 8

Fri Nov 03	EX4 Assigned – Collage Lecture – Atmosphere Tutorial – Photoshop
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WEEK 9

Fri Nov 10	EX4 Pinups – Collage Tutorial – Illustrator
EX 4 DUE (11:59 PM ET)	

WEEK 10

Fri Nov 17	EX5 Assigned–Hybrid Drawing Lecture – Narrative and Presentation Techniques Tutorial – InDesign
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WEEK 11

Fri Nov 25	Work session
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WEEK 12

Fri Dec 02	EX5 Pinups – Hybrid Drawing
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WEEK 13

Mon Dec 05	Drawing check (ARCH110/192)
Mon Dec 05	EX5 / PROJECT 3B DRAWINGS DUE (11:59 PM ET)
Thu Dec 7	PROJECT 3B FINAL REVIEW