



UNIVERSITY OF CALGARY
SCHOOL OF ARCHITECTURE,
PLANNING AND LANDSCAPE

**Winter
2024**

Course Number: DSGN 203 **Classroom:** [REDACTED]

Course Name: Design Thinking and the City

Instructors: Catherine Hamel, Dan Hapton, Teegan Heinrichs

- Email: chamel@ucalgary.ca, daniel.hapton@ucalgary.ca, teegan.heinricks@ucalgary.ca
- Office Hours and Location: Student meetings outside class time are by appointment.
- Instructor Email Policy: Instructors will respond to emails sent via students' @ucalgary emails as soon as possible, usually within 48 hours.

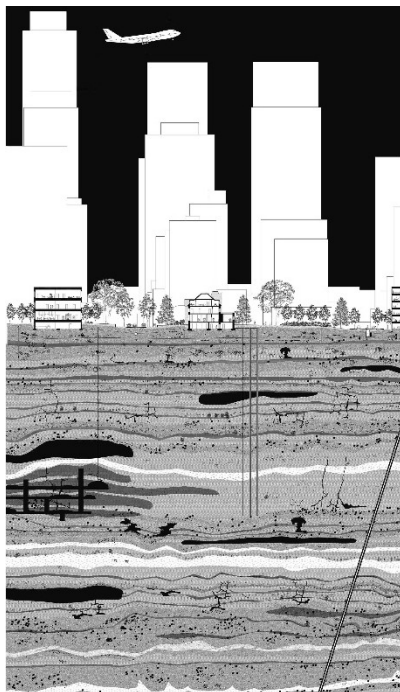
Class Dates: Mandatory In-Person Tuesdays and Fridays, Winter 2024, 2:00pm to 3:50pm

Teaching Assistant: Chris Lin

- Email: chris.lin1@ucalgary.ca

Course Description:

- Course Hours: 3 units; (0-4)
- Academic Calendar Description: <https://www.ucalgary.ca/pubs/calendar/current/design.html>



Loughheed Section - image produced by
SPECTACLE Bureau for Architecture & Urbanism

Design 203 is the second foundational course in Design Thinking in the Bachelor of City Design and Innovation program. It engages cities and urbanism as key sites and settings for designers and design thinking. According to the World Bank, more than half of the world's population—approximately 4.4 billion people—currently live in dense urban environments with numbers projected to grow to 60% by 2030. Urbanism is the most common human environment, and therefore a central concern of the design professions.

*News of today and a ruin tomorrow, entombed and revived every day,
lived with in alleys, plazas, buses and taxis, movie houses, theaters and bars,
in hotels, dovecotes and catacombs,
the great city that fits in a ten-foot room, boundless as a galaxy,
the city that dreams us all, that we all make and unmake and remake while
we dream,
the city that we all dream, which endlessly changes while we dream it,
the city that wakes every hundred years and looks at itself in the mirror of a
word and does not recognize itself and goes back to sleep,
—excerpt from "I Speak of The City" by Octavio Paz*

The course presents three speculative approaches to design thinking through a non-linear process that foregrounds diversity and complexity. The semester is divided into two parts; the first half rotates students through workshops on systems-based, experiential-based, and abstraction-based approaches to design. The second half applies these three approaches to speculative design interventions in the city that may include but are not limited to buildings, landscapes, policies, and public engagements. Throughout the course, students will develop skills in digital, physical, and hybrid design methods and media, and complete design projects in individual and team settings. Student work will be presented in public reviews and exhibitions.

Requisites: See [Section 3.3.5](#) of the Academic Calendar for more information regarding School of Architecture, Planning and Landscape courses.

- Prerequisite(s): Admission to the Bachelor of Design in City Innovation program and [Design 201](#). Introduction to Design Thinking Studio I
- Corequisite(s); [Design 213](#) Introduction to Visualizing Complexity

Course Delivery

- In-person Delivery

Course Learning Outcomes

Upon completion of this course, students will have:

- practiced a variety of holistic approaches to design thinking
- studied existing urban and cultural conditions as a frame of reference for design
- designed a speculative intervention in the city
- practiced design skills and tools in digital and physical media including but not limited to orthographic projection, scale model making, diagramming, and mapping

Learning Resources

- Required readings, textbooks, and learning materials:
 - References will be provided with specific project outlines
- Technology requirements:
 - To successfully engage in their learning experiences at the University of Calgary, students taking online, remote, and blended courses are required to have reliable access to the following technology:
 - A computer with a supported operating system, as well as the latest security, and malware updates;
 - A current and updated web browser;
 - Webcam (built-in or external);
 - Microphone and speaker (built-in or external), or headset with microphone;
 - Current antivirus and/or firewall software enabled;
 - Broadband internet connection
 - Most current laptops will have a built-in webcam, speaker and microphone.
 - [Student IT Resources](#)

- To accomplish course work for DSGN 203 students require access to current versions of the following software and tools:
 - Adobe Creative Suite (Photoshop, InDesign, Illustrator, Premiere)
 - Camera (a contemporary smartphone, DSLR, or SLR)
 - ArcGIS Pro (link to download ArcGIS Pro through the UCalgary account.
 - https://ucalgary.service-now.com/kb_view.do?sysparm_article=KB0033256
 - Rhinoceros
- **BDCI Makerspace Training Requirement:**
 - If a course requires the use of the BDCI Makerspace, students must complete all relevant online University of Calgary safety courses and the online Trajectory Safety training course to be granted access to the BDCI Makerspace.

Special Budgetary Requirements

- The course requires the same 'BDCI Toolkit' required by the Fall 2023 prerequisite DSGN 211 to accomplish its pedagogical outcomes.
- Students will also be required to obtain materials and supplies for models, drawings and/or presentations over the semester. Such materials could be items such as card stock, millboard, foam blocks, basswood, or other such goods used in drawing, modelling and presentations. These materials will be available within the School and/or at local art supply shops. Students will be responsible for securing such materials for use in their design projects.

Additional Classroom Conduct and Related Information

- **BDCI Conduct Code:** The BDCI Studio and other SAPL/University-provided facilities and equipment are governed by the [University's Student Non-Academic Misconduct Policy](#). Professional and courteous behavior is expected at all times. For more information, please refer to [Appendix 1: Prohibited Conduct](#), including the following categories: 1. Protection of Individuals; 2. Protection of Property; 3. Protection of University Functions, Activities and Services; 4. False Information and Identification; 5. Possession or Use of Dangerous Objects, Drugs or Alcohol; 6. Aiding in the Commission of an Offence; 7. Contravention of Other Laws and University Policies; and 8. Failure to Comply with a Sanction.

Assessment Components

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the Academic Calendar. In determining the overall grade in the course the following weights will be used:

| Assessment Method | Description | Weight | Assignment Type | |
|--|---|--------|-----------------|--------|
| P 01 Rotations 1, 2 3 <i>Order TBD by sections</i> | Rotation 01 <i>Abstract Based</i> | 10 % | 35 % | Single |
| | Rotation 02 <i>Experience Based</i> | 10 % | | Pair |
| | Rotation 03 <i>System Based</i> | 10 % | | Triad |
| | P 01 Pamphlet + P 01 PIN UP | 05 % | | Single |
| P 02 Field Notes | P 02 Site visit | 15 % | 15 % | Triad |
| | P 02 Fieldnotes | | | |
| | P 02 Fieldnotes <i>presentation</i> | | | |
| P 03 Intervention | P 03a Formulation + <i>presentation</i> | 15 % | 40 % | Single |
| | P 03b Intervention Proposal | 20 % | | |
| | P 03 Pamphlet + P 03 Review | 05 % | | |
| Participation | Engagement + Professionalism | 10 % | | |

Topic Areas and Detailed Class Schedule*

W01

| | | | |
|----------|------|------------------|---|
| J | T 09 | P 01 Rotation 01 | Introduction + P 01 Handout Rotation 01 |
| | F 12 | P 01 Rotation 01 | in-class studio session** |

W02

| | | |
|------|------------------|-------------------------|
| T 16 | P 01 Rotation 01 | in-class studio session |
| F 19 | P 01 Rotation 01 | in-class studio session |

due Sunday January 21*

W03

| | | |
|------|-----------------------|-------------------------|
| T 23 | P 01 Rotation 02 P 01 | Handout Rotation 02 |
| F 26 | P 01 Rotation 02 | in-class studio session |

W04

| | | | |
|----------|------|------------------|-------------------------|
| F | T 30 | P 01 Rotation 02 | in-class studio session |
| | F 02 | P 01 Rotation 02 | in-class studio session |

due Sunday February 04

W05

| | | |
|------|-----------------------|-------------------------|
| T 06 | P 01 Rotation 03 P 01 | Handout Rotation 03 |
| F 09 | P 01 Rotation 03 | in-class studio session |

W06

| | | |
|------|------------------|-------------------------|
| T 13 | P 01 Rotation 03 | in-class studio session |
| F 16 | P 01 Rotation 03 | in-class studio session |

due Saturday February 17 + Pamphlet

W07 READING WEEK

W08

| | | |
|------|-------------|-----------------------|
| T 27 | P.01 Pin up | location SAPL Gallery |
|------|-------------|-----------------------|

printed completed P01 Pamphlet and gallery set up will occur M 26 in DSGN 213

M

| | | |
|------|---|---|
| F 01 | P 02 Handout + Off campus Site visit | location YYC Downtown – C-train Station |
|------|---|---|

W09

| | | |
|------|-----------------|-------------------------|
| T 05 | P.02 Fieldnotes | in-class studio session |
| F 08 | P.02 Fieldnotes | in-class studio session |

W10

| | | |
|------|-------------------|--|
| T 12 | P.02 Fieldnotes | due P.02 Field Notes Presentations |
| F 15 | P.03a Formulation | P 03 Handout + in-class studio session |

W11

| | | |
|------|-------------------|-------------------------------------|
| T 19 | P.03a Formulation | in-class studio session |
| F 22 | P.03a Formulation | due P.03a Formulation Presentations |

W12

| | | |
|------|--------------------|-------------------------|
| T 26 | P.03b Intervention | in-class studio session |
|------|--------------------|-------------------------|

F 29 Good Friday

W13

| | | |
|----------|--------------------|--------------------|
| A | M 01 Easter Monday | |
| | T 02 | P.03b Intervention |
| | F 05 | P.03b Intervention |

in-class studio session
in-class studio session

W14

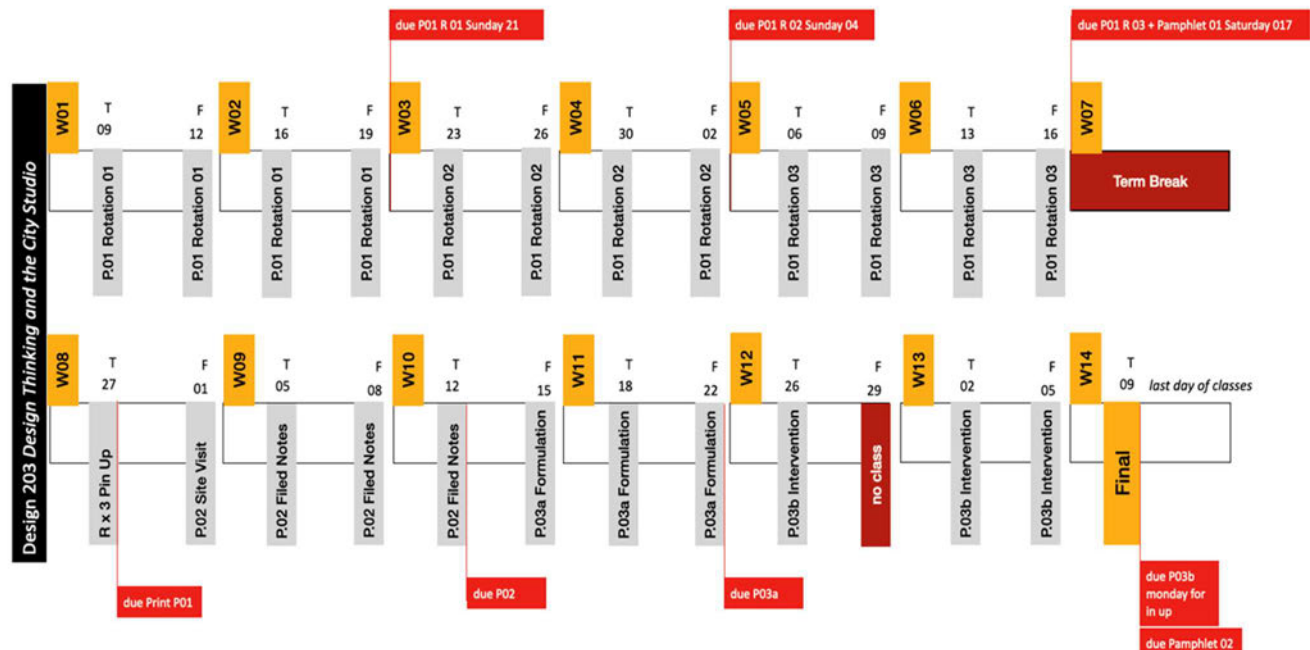
| | | |
|------|--------------------|---|
| T 09 | P.03b Intervention | due P.03 Monday 08 for set up due P.03 Pamphlet + Final review (Science Fair Style) |
|------|--------------------|---|

* Subject to adjustments

** in-class studio session can include (but not limited to) small group presentations, group work, individual work review, discussions or lectures, and/ or in-class production time. Attendance is mandatory for the full session.

* all project details will be provided in supplementary project handouts

Class Schedule*



Scheduled Out-of-Class Activities

There are no scheduled out of class activities for DSGN 203 (just one-off site visit as per schedule).

Flexible Grade Option (CG Grade)

As per [Section 3.5.1](#) of the Academic Calendar, the School of Architecture, Planning and Landscape will not permit the Flexible Grade Option (CG Grade) for any course offered by the School.

Assessment and Evaluation Information

Assessment in the studio will be based on competency and completeness of assignments, including following requirements for deliverables, adhering to standards for graphics, and meeting quality of design, delineation and communication.

Attendance + Participation Expectations

Students are expected to attend and come prepared to meaningfully engage in all class sessions. This includes producing or preparing content necessary for discussion and contributing to individual and class-wide discussions and/or conversations/assessments with the Course Instructors.

Excused Absences

In the event of an exceptional circumstance (e.g., illness, bereavement, etc.) or an exceptional opportunity (e.g., varsity athletic competition, national conference or awards ceremony, pow wow, etc.) up to four excused absences (for courses that meet twice or more per week) and up to two excused absences (for courses that meet once per week) are allowable per semester before jeopardizing one's own course grade and ability to pass the course. However, any such accommodations must be approved by the Instructors with advance notice by the student.

Unexcused Absences

Attendance at all class sessions and participation in all assessments is mandatory. Unexcused absences in excess of two per semester (for courses that meet twice per week) and one per semester (for courses that meet once per week) are grounds for failure in the course.

Total Number of Absences

The combined total number of excused or unexcused absences per semester cannot exceed four per semester (for courses that meet twice per week) or two per semester (for courses that meet once per week). Any number in excess are grounds for failure in the course.

Guidelines for Assignments

All assignments (e.g., projects, papers, presentations, etc.) must be turned in on time. Late assignments will lose a letter grade every 24 hours after the submission date/time. Late assignments submitted more than four days late constitute automatic failure. Late assignments with a valid excuse, as defined by the University's guidelines or with advance prior notification to the instructors, may be considered without penalty upon review of the student's attendance and participation record. Please let your instructors know immediately if you cannot meet the deadlines specified. You may be required to provide supporting documentation, as per [Section M.1](#) of the Academic Calendar to support your request.

Guidelines for Assessment

Attendance and live participation for the entire duration of course assessments are mandatory (e.g., pin up review, midterm review, final review or exam, etc.) and must be completed in person unless otherwise stated. If a student is unable to participate live due to unforeseen circumstances, please inform the Course Instructors in advance. Missed assessments with a valid excuse, as defined by the University's guidelines or with advance prior notification to the instructors, may be considered without penalty upon review of the student's attendance and participation record. Failure to be present for a course assessment as a result of an unexcused absence are grounds for failure in the course.

Guidelines for Submitting Assignments

All assignments must be submitted digitally, to the course D2L Dropbox, and or (MIRO Board) by the specified due date/time. In some cases, hard copies may be required to also be submitted.

Final Examinations

There is no Final Examination in DSGN 203.

Expectations for Writing

<https://www.ucalgary.ca/pubs/calendar/current/e-2.html>

All written components of assignments must use proper grammar and correct spelling. Formatting requirements, as specified by the instructors, must be followed. Citations and references must be consistent and follow guidelines as noted by instructors.

Criteria that must be met to pass: All assignments are required to be completed and passed in order to successfully complete the studio. In cases where an assignment receives a failing grade, the instructors may offer the opportunity to revise the assignment for reevaluation purposes.

Grading Scale

Based on [Section F.1.1](#) of the Academic Calendar

| Grade | Grade Point Value | 4-Point Range | Percent | Description |
|-------|-------------------|---------------|----------|--|
| A+ | 4.00 | 4.00 | 95-100 | Outstanding performance |
| A | 4.00 | 3.85-4.00 | 90-94.99 | Excellent performance |
| A- | 3.70 | 3.50-3.84 | 85-89.99 | Approaching excellent performance |
| B+ | 3.30 | 3.15-3.49 | 80-84.99 | Exceeding good performance |
| B | 3.00 | 2.85-3.14 | 75-79.99 | Good performance |
| B- | 2.70 | 2.50-2.84 | 70-74.99 | Approaching good performance |
| C+ | 2.30 | 2.15-2.49 | 65-69.99 | Exceeding satisfactory performance |
| C | 2.00 | 1.85-2.14 | 60-64.99 | Satisfactory performance |
| C- | 1.70 | 1.50-1.84 | 55-59.99 | Approaching satisfactory performance. Minimum grade requirement for prerequisite courses. |
| D+ | 1.30 | 1.15-1.49 | 50-54.99 | Marginal pass. Insufficient preparation for subsequent courses in the same subject. |

| | | | | |
|---|------|-----------|----------|--|
| D | 1.00 | 0.50-1.14 | 45-49.99 | Minimal Pass. Insufficient preparation for subsequent courses in the same subject. |
| F | 0.00 | 0-0.49 | 0-44.99 | Failure. Did not meet course requirements. |

University of Calgary Policies and Supports:

UNIVERSITY OF CALGARY COVID-19 UPDATES AND PROCEDURES

<https://www.ucalgary.ca/risk/emergency-management/covid-19-response/covidsafe-campus>

ACADEMIC ACCOMMODATION

<https://ucalgary.ca/student-services/access/prospective-students/academic-accommodations>

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The student accommodation policy can be found at:

<https://www.ucalgary.ca/legal-services/university-policies-procedures/student-accommodation-policy>

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>

Students needing an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to their instructor (contact information on first page above).

[Student Accessibility Services](#) will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/.

ACADEMIC MISCONDUCT

Academic Misconduct refers to student behavior which compromises proper assessment of a student's academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.

For information on the Student Academic Misconduct Policy and Procedures please visit:

- Student Academic Misconduct Policy: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-policy>

- Student Academic Misconduct Procedure: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-procedure>

Additional information is available on the Academic Integrity Website at <https://www.ucalgary.ca/student-services/student-success/learning/academic-integrity>.

COPYRIGHT LEGISLATION

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy>) and requirements of the Copyright Act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorised sharing of course materials (including instructor notes, electronic versions of textbooks, etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy (<https://www.ucalgary.ca/pubs/calendar/current/k.html>).

INSTRUCTOR INTELLECTUAL PROPERTY

Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

SEXUAL AND GENDER-BASED VIOLENCE POLICY

The University recognizes that all members of the University Community should be able to learn, work, teach and live in an environment where they are free from harassment, discrimination, and violence. The University of Calgary's Sexual and Gender-Based Violence Policy guides us in how we respond to incidents of sexual and/or gender-based violence, including supports available to those who have experienced or witnessed sexual/gender-based violence, or those who are alleged to have committed sexual/gender-based violence. It provides clear response procedures and timelines, defines complex concepts, and addresses incidents that occur off-campus in certain circumstances. Please see the policy available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/sexual-and-gender-based-violence-policy>.

UNIVERSITY STUDENT APPEALS OFFICE

If a student has a concern about a grade that they have received, they should refer to Section I of the Undergraduate Calendar (<https://www.ucalgary.ca/pubs/calendar/current/i-3.html>) which describes how to have a grade reappraised.

OTHER IMPORTANT INFORMATION

Please visit the Registrar's website at <https://www.ucalgary.ca/registrar/registration/course-outlines> for additional important information on the following:

- Wellness and Mental Health Resources
- Student Success
- Student Ombuds Office
- Student Union (SU) Information
- Graduate Students' Association (GSA) Information
- Emergency Evacuation/Assembly Points
- Safewalk