

Dalhousie University
School of Architecture

ARCH 4304.01

B5 Professional Practice

<https://dal.brightspace.com/d2l/home/362782>

Winter 2025

Instructor: Dr. Susan Fitzgerald

Guests: Christian Oickle,

Greg Fry, Nicole LeBlanc,

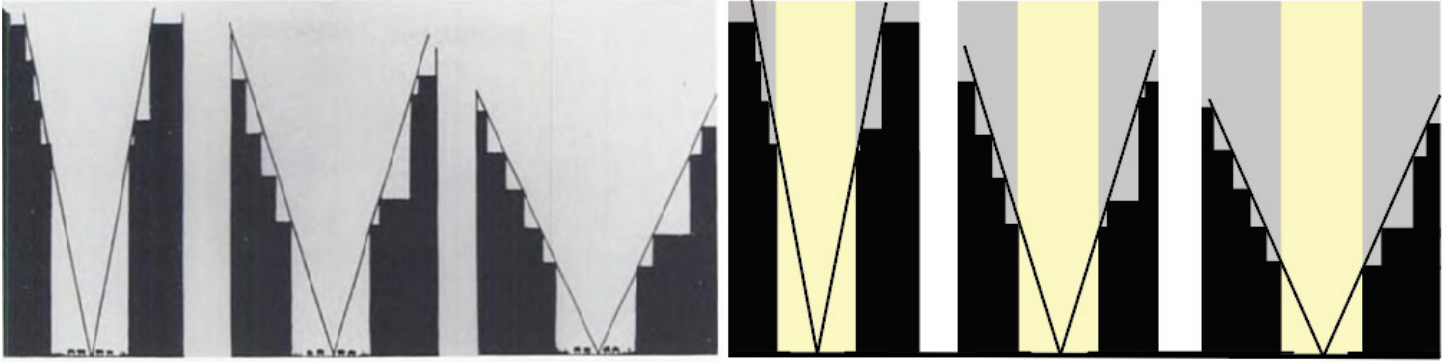
James Coons

susan.fitzgerald@dal.ca

January 7, 2025

Dalhousie University is located in Mi'kma'ki,
the ancestral and unceded territory of the Mi'kmaq.

We are all Treaty people.



Format: Lecture/Tutorial

Credit-hours: 1

Restriction: Year 4 BEDS students

Office: 1126 in the Medjuck Building

Meeting Times and Rooms: January 13 - January 17, 2025, 1:00 - 4.00 in 1202

ACADEMIC INFORMATION

Calendar Description

In this course, students learn about the architect in society; professional ethics; models of practice; legal aspects of practice; authorities having jurisdiction over building; the National Building Code; and internship.

Additional Course Description

This course will introduce students to working with land-use by-laws, the National Building Code, and strategies for creating inclusive and accessible spaces. There are three graded components.

Learning Objectives

- understand the role of the NBC in projects and practice
- understand the role of Land Use By-Laws in shaping our built environments
- understand how to complete a preliminary code review for a project
- understand design and building code as an integrated design process
- apply NBC principles to the B5 Design project
- understand accessibility criteria within a few spaces in the B5 Design project

Rationale for the Course

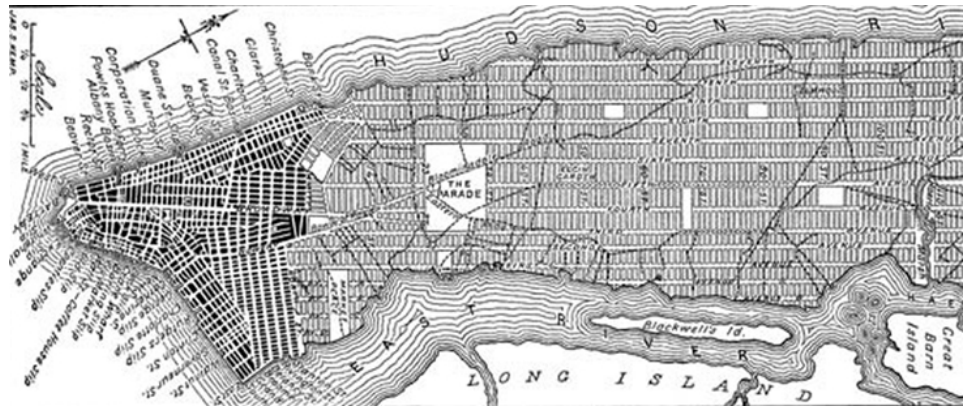
This course builds on the practical experience gained during the co-op work term by applying principles of the NBC to a design project in its early stages. The assignments prepare students to apply the building code, land-use by-laws, and accessibility criteria to projects in subsequent design courses, co-op work terms, and after graduation.

Integration with Other Courses

This course is integrated with B5 Design and shares the same site and addresses the same program.

Class Format

Lectures. Students will work in small groups to prepare responses to assignments. Students will also do assignment work independently based upon their B5 design work. Instructors will be available to answer questions during class time.



Expected Hours in Total

Lectures: 15 hours

Assignment 1: An average of 15 hours is expected for this assignment.

Assignment 2 and 3: An average of 15 hours is expected for these two assignments.

Schedule of Classes

Each day from 1.00 pm to 4.00 pm

Format		M 13 J	T 14 J	W 15 J	T 16 J	F 17 J
Lecture 1	Introduction to the course Overview of NBC Part 1 Christian Oickle					
Lecture 2	Overview of NBC Part 2 Christian Oickle Q and A					
Lecture 3	Introduction to Land Use By-Laws James Coons					
Q and A						
Lecture 4	Accessibility Greg Fry and Nicole LeBlanc Q and A					

Assignments

Assignment 1: National Building Code and Land Use By-Law Simulation

Assignment 2: Fire and Life Safety Diagrams (using design from B5 design studio)

Assignment 3: Accessibility Diagrams (using design from B5 design studio)

Student Learning Experience Questionnaire

The SLEQs will be conducted later in the term, during week 12.

Required Reading

Download prior to Class on Monday January 13, 2025

National Research Council Canada. 2020. National Building Code of Canada (NBC)

Free download from:

<https://nrc-publications.canada.ca/eng/view/ft/?id=515340b5-f4e0-4798-be69-692e4ec423e8>



Recommended References

Ardiel, Donald, ed. 2021. Royal Architectural Institute of Canada, and National Practice Program. Canadian Handbook of Practice for Architects. Ottawa: Royal Architecture Institute of Canada. <https://chop.raic.ca/>
Hansen, Rick. 2022. <https://www.rickhansen.com/>
National Standard of Canada. Accessible Design for the Built Environment. CSA B651

Additional Expenses

No additional expenses are anticipated.

Guidelines for Citing Sources

Chicago Manual of Style: Author-date style. For examples, see the CMOS quick guide: <https://tinyurl.com/chicago-author-date>

ASSESSMENT

Assignments

1. NBC and Land Use By-Law Project, 60% of grade, **group project**, evaluated by professional practice instructor
2. Fire and life safety, 20% of grade, **individual project**, evaluated by professional practice instructor
3. Accessibility diagrams instructor, 20% of grade, **individual project**, evaluated by professional practice instructor

Formats, Deadlines, and Evaluation Criteria for Assignments

Students in a group are assigned the same grade.

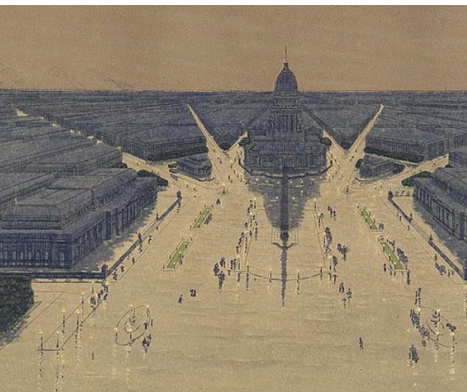
Assignment 1

This group assignment requires that you develop a building massing based, in part, on Land Use By Laws and the B5 design assignment. This massing and associated floor plates will enable you to complete the code and occupancy matrix (to be provided). The group will then put together a document addressing each point in the code matrix using graphics to illustrate each point.

You will be divided into groups based upon your design studio. Groups are listed on Brightspace.

Format: Group presentation document with graphics. You may change the format of the supplied sheets to fit your presentation, but all points should be covered. All team members should be listed clearly in the presentation document.
Due: Sunday January 19 at 9 pm on Brightspace.

New York





Assignment 2 and 3

Assignment 2: Using your B5 design assignment you will show on each floor plan the location and access route to fire exits. Careful attention should be taken on level 1.
 Assignment 3: Using information from the lecture and other sources, develop your accessibility strategy for the lobby/entry and a bathroom in your B5 assignment.

Format: Submit PDFs of diagram(s) with supporting information from final design project.

	Assignment 2	Assignment 3	Points
Floor plans with dimensions showing relevant accessories		x	10
Elevation + section of bathroom counter		x	5
Elevation + section of reception desk		x	5
Floor plans showing location and access routes to fire exits	x		20

Due: April 11, 2025 at 9 pm on Brightspace.

Naming Your Files

Assignment[#]_[surname]

For group work, name the file with one student’s last name, but indicate every students’ name in the group on the first page or cover sheet.

Students will receive feedback on Brightspace.

Grading Format

Assignments will be evaluated with a numerical point score based on the scoring

University standards for individual assignments:

A– to A+ (80–100%: excellent): Considerable evidence of original thinking; outstanding capacity to analyze and synthesize; outstanding grasp of subject matter; evidence of extensive knowledge base.

B– to B+ (70–79%: good): Evidence of grasp of subject matter, some evidence of critical capacity and analytical ability; reasonable understanding of relevant issues; evidence of familiarity with the literature.

C– to C+ (55–69%: satisfactory): Evidence of some understanding of the subject matter; ability to develop solutions to simple problems.

D (50–54%: marginal pass): Evidence of minimally acceptable familiarity with subject matter, critical and analytical skills.

F (0–49%: inadequate): Insufficient evidence of understanding of the subject matter; weakness in critical and analytical skills; limited or irrelevant use of the literature.



Course Specific Policies

	Due Date	Is a late assignment accepted?	If so, what is the deduction per weekday?	Final deadline for a late submission?	What happens after that?
Assignment 1	Jan 19, 25	Yes	3%	Jan 24, 2025	Receives 0%
Assignment 2	April 11, 25	Yes	3%	April 13, 2025	Receives 0%
Assignment 3	April 11, 25	Yes	3%	April 13, 2025	Receives 0%

Lecture Notes

Lecture notes and handouts will be provided.

Academic Integrity

The instructor will not use plagiarism software to check written assignments.

FACULTY POLICY

Equity, Diversity and Inclusion

The Faculty of Architecture and Planning is committed to recognizing and addressing racism, sexism, xenophobia and other forms of oppression within academia and the professions of architecture and planning. We, the faculty, are working to address issues of historic normalization of oppressive politics, segregation, and community disempowerment, which continues within our disciplines today.

University Policies and Resources

This course is governed by the academic rules and regulations set forth in the University Calendar and the Senate. See the School of Architecture’s “Academic Regulations” page (<https://tinyurl.com/dal-arch-regulations>) for a summary of university policies affecting academic courses:

- Academic integrity
- Accessibility
- Code of student conduct
- Culture of respect
- Equity, diversity, and inclusion
- Student declaration of absence
- Recognition of Mi’kmaq territory
- Work safety
- Services available to students, including writing support
- Fair dealing guidelines (copyright)
- Dalhousie University Library

Academic Support

Advising: https://www.dal.ca/campus_life/academic-support.html