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Dalhousie University
School of Architecture

ARCH 4304.01

B5 Professional Practice

Winter 2024

Instructor: Dr. Ted Cavanagh

Guests: Christian Oickle M.E., P.Eng

Dr. Mikiko Terashima LPP, MCIP

ted.cavanagh@dal.ca

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

Meeting Times and Rooms: 2.30 - 5.00 in Exhibition Room

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.

Accreditation Criteria

C1. Regulatory Systems

The student must have an understanding of the applicable building codes, regulations, and standards for a given building and site, including universal design standards and the principles that inform the design and selection of life-safety systems.

Additional Course Description

This course will introduce students to working with the National Building Code, and strategies for creating inclusive and accessible spaces. There are **two** graded components.

Learning Objectives

- understand the role of the NBC in projects and practice
- 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

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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: 8 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.

Professional Practice Week

This is only the B5 afternoon module schedule

Refer to the Professional Practice Week Schedule for other activities

Format	M 15 J	T 16 J	W 17 J	T 18 J	F 19 J
Lecture 1 — Overview of NBC Part 1 Christian Oickle	2:30				
introduction to the assignments		2:30			
Lecture 2 — Accessibility Mikiko Terashima			2:30		
Lecture 3 — Overview of NBC Part 2 Christian Oickle				2:30	
work period					

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 15, 2024

National Research Council Canada. 2015. National Building Code of Canada (NBC), second printing with revisions and errata.

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Free download from:

<https://nrc-publications.canada.ca/eng/view/ft/?id=c8876272-9028-4358-9b42-6974ba258d99&dp=2&dsl=en>

or 2020 National Building Code

<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 B651-18

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>

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	January 21	Yes	6%	Jan 28, 2024	Receives 0%
Assignment 2	March 1	Yes	3%	March 14, 2024	Receives 0%
Assignment 3	March 1	Yes	3%	March 14, 2024	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 concerning 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

Please speak to me or go to https://www.dal.ca/campus_life/academic-support.html