

SYLLABUS

Instructor	Andrea Atkins andrea.g.atkins@gmail.com 519-222-9950 (cell) Rm 3012 (Wednesday only) Office hours Wednesdays by appointment										
Teaching Assistants	Michelle Dingley m.e.dingley@gmail.com Rm 3018 Shanne Stines snstines@uwaterloo.ca Rm 3021 Office hours TBD, by appointment.										
Lectures	Wednesdays 2pm-5pm Room 1101 (Laptop Classroom)										
Tutorials	Mondays 7:00pm-9:00pm Room 1101 (Laptop Classroom) 7:00pm: Review material from previous week (optional) 8:00pm: Quiz / hand-in										
Course Description	Case Studies are used to examine conceptual development, structural design, building process and the selection of structural systems for large buildings including steel and concrete systems. Topics such as tension, flexural and compression members, and connections are studied using calculations, design aids, rules of thumb and the latest CSA design standards.										
Course Policies	Each student is requested to bring a hand calculator to every class meeting. All other electronic devices, such as computers, cell phones, tablets, etc., are prohibited from use in class at all times. The exception to this rule is any device necessary for the accommodation of a student with special needs.										
Text Books	Course notes available on LEARN										
Grading	Final marks will be calculated on the following basis: <table> <tr> <td>Quizzes</td> <td>20%</td> </tr> <tr> <td>Assignment Drafts</td> <td>10%</td> </tr> <tr> <td>Assignment Final</td> <td>10%</td> </tr> <tr> <td>Midterm Exam</td> <td>30%</td> </tr> <tr> <td>Final Project</td> <td>30%</td> </tr> </table>	Quizzes	20%	Assignment Drafts	10%	Assignment Final	10%	Midterm Exam	30%	Final Project	30%
Quizzes	20%										
Assignment Drafts	10%										
Assignment Final	10%										
Midterm Exam	30%										
Final Project	30%										
Homework	Each week suggested homework problems will be assigned, covering the material taught in the lecture. This work is not evaluated, but is crucial to your understanding of the material. You will be given opportunities to practise what you have learned and ask questions in tutorials before writing each quiz.										
Quizzes	Quizzes are administered during tutorial sessions, and are the only mandatory portion of the Wednesday class. Each quiz will be a short (often single-question) problem reflecting the material taught in the previous lecture, and the associated homework problems. Each quiz is graded out of five. There are four quizzes.										
Assignments	Assignments are to be turned in to the drop box in front of the main office. Graded work will be returned during lecture periods. Assignment drafts will not be accepted after the submission deadline. Late assignment finals and final projects submitted within 48 hours of the deadline will receive a 50% penalty. After 48 hours, the work will be graded but will receive no credit.										

SYLLABUS

Exam The Midterm exam will be an open-notes exam. Students will be responsible for all material covered in the course, both in-class and in-course notes.

Avoidance of Academic Offenses

Academic Integrity In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. Refer to the Academic Integrity website (<https://uwaterloo.ca/academic-integrity/>) for details.

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, (<https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-70>). 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 offense, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offense, or who needs help in learning how to avoid offenses (e.g., plagiarism, cheating) or about "rules" for group work/collaboration 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 (<https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-71>) Student Discipline. For typical penalties check Guidelines for the Assessment of Penalties, (<https://uwaterloo.ca/secretariat/policies-procedures-guidelines/guidelines/guidelines-assessment-penalties>).

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) www.adm.uwaterloo.ca/infosec/Policies/policy72.htm .

Note for Students with Disabilities AccessAbility Services (<http://uwaterloo.ca/disability-services/>), located in the new addition to Needles Hall, Room 1401, collaborates with all academic departments to arrange appropriate accommodations for with 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.

Issued January 9th, 2019

SCHEDULE

Wednesday, Jan. 9	introduction
Monday, Jan. 14	no tutorial
Wednesday, Jan. 16	foundations
Monday, Jan. 21	studio field trip- no tutorial
Wednesday, Jan. 23	concrete 1
Monday, Jan. 28	foundations quiz
Wednesday, Jan. 30	concrete 2
Monday, Feb. 4	assignment draft due: concrete
Wednesday, Feb. 6	steel 1
Monday, Feb. 11	concrete quiz
Wednesday, Feb. 13	steel 2
Feb. 18-22	Reading Week
Monday, Feb. 25	Toronto Co-op day. Review Tutorial
Wednesday, Feb. 27	review lecture
Monday, Mar. 4	steel quiz
Wednesday, Mar. 6	midterm exam (2.5 hours)
Thursday, Mar. 7	system selection lecture (in studio) and reviews
Monday, Mar. 11	assignment draft due: steel
Wednesday, Mar. 13	masonry and precast, lateral systems
Monday, Mar. 18	assignment draft due: masonry and precast
Wednesday, Mar. 20	combining systems, connections
Monday, Mar. 25	systems quiz
Wednesday, Mar. 27	afternoon of sign-up structural crits, assignment final due
Thursday, Apr. 18	final project due