

## **ECOR 1055A – Introduction to Engineering Disciplines I (Civil Engineering)**

**Fall 2024**

**Instructor** Elena Zabolotnii, PhD PEng

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office hours: Tue 11:00 – 12:00

**Lectures:** Sept. 4 – Dec. 6 Wednesday 8:35 – 9:55

### **Course Description:**

ECOR 1055 – Introduction to Engineering Disciplines I

Calendar description: Overview of professional activities oriented to the student's discipline of study:

Architectural Conservation and Sustainability. Civil and Environmental. Aerospace and Mechanical. Electrical.

Engineering Physics. Computer systems/network, Communications and Software. Biomedical (Electrical and

Mechanical). Sustainable and Renewable Energy

<http://calendar.carleton.ca/undergrad/courses/ECOR/>

### **Grading**

This course is graded SAT/UNS. In order to be given a SAT grade in the course, you must attend at least 10 of the 12 sessions and complete the online portion of the course learning. Attendance will be taken.

Excused absences: For short-term or long-term medical absence, students can submit documentation per current Carleton University policy.

For each of the excused absences and unexcused absences, the student must submit, en lieu of attendance, a 1,000-word report on the subject of the missed class, which includes at least 3 references. The text must be referenced properly; improper referencing and plagiarism will result in the submission not being counted. The submission must be made within 2 weeks of the missed class by emailing it to the instructor. This is a requirement for receiving a passing grade.

### **Accommodation**

The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or [pmc@carleton.ca](mailto:pmc@carleton.ca) for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the

beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). Requests made within two weeks will be reviewed on a case-by-case basis. After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website ([www.carleton.ca/pmc](http://www.carleton.ca/pmc)) for the deadline to request accommodations for the formally-scheduled exam (if applicable).

**TIMETABLE**

<b>Lecture Date:</b>	<b>Lecture Topic:</b>	<b>Topic:</b>
September 4	E. Zabolotnii	Course Intro and Tips to Succeed at Carleton Engineering Undergraduate Academic Support Office Presentation & Quiz
September 11	E. Zabolotnii	Landslide management
September 18	Elisabeth Gilmore	Climate change
September 25	Ehab Zalok	Fire safety engineering
October 2	Paul Simms	Tailings management
October 9	Christian Viau	Structural engineering
October 16	Siva Sivathayalan	Geotechnical engineering
October 23	Fall break – no classes	
October 30	Cole van de Ven	Geoenvironmental contaminants and gases
November 6	Mike Cunningham	Industry speaker (geotechnical)
November 13	Jeff Erochko	Earthquake Engineering
November 20	Yasser Hassan	Transportation Engineering
November 27	TBD	
December 6	No class – classes follow a Monday schedule	