CIVE/ENVE 4907: Engineering Research Project Course Outline (Fall 2021)

Coordinator: Dr. Mehdi Pouragha, Email: Mehdi.Pouragha@carleton.ca, Office: Online
Office Hours: by appointment

Course Objectives: A major project in engineering analysis, design, development or research carried out by individual students and a faculty research supervisor. The objective is to provide an opportunity to develop initiative, self-reliance, creative ability, independent technical analysis skills and engineering judgment. A project proposal, an interim report, an oral presentation, and a comprehensive final report are required.

Regular Meeting Times: To be arranged with individual supervisors.

Course logistic meeting times: Tuesdays at 5:35pm to 6:25pm on an ad hoc basis only. Assume no meeting unless notified by email. Emails will be sent at least one week in advance. Attendance mandatory. Course meetings will be held online during Fall 2021 semester.

Evaluation:

Milestone	Weights	Due date	Approx. length
Proposal*	5%	Sept. 30	5-10 pages
Progress Report	10%	Nov 30	10-20 pages
Draft Final Report	15%	Feb 28	25-35 pages
Oral Presentation	20%	March-TBD	10 minutes
Final Report	50%	Apr 8	30-40 pages

* Your supervisor may ask for a rewrite of the entire proposal if it is poorly written; however your grade will be based on the evaluation of the initial submission.

Notes:

The proposal, progress report and draft final are marked solely by the research supervisor (or co-supervisors). The oral presentation is graded by several professors while the final reports are marked by the research supervisor and a second reader with an equal contribution to the final report mark.

All reports must be submitted on BrightSpace no later than 4 pm on the day it is due. Grades for late reports will be reduced by five percentage points (according to the table above) for each day (or partial day) that it is late. For example, if the Draft Final Report is 36 hours late, it will be rounded up to two days and the maximum possible grade is 5% of the 15% weighting.

Course Website: BrightSpace will be used for distribution of material, file submission, and grading.

Student Accommodations

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 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 (http://www.carleton.ca/pmc) for the deadline to request accommodations for the formally-scheduled exam (if applicable).