Course Outline

**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 and engineering judgment. A project proposal, an interim report, an oral presentation, and a comprehensive final report are required.

Course Administrator: Dr. Onita Basu, P.Eng
Email: onita_basu@carleton.ca
Office: ME 2366
Meeting Times: as arranged with each project student and their respective research supervisor.

**Mark Breakdown:**
Proposal 5%
Progress Report 10%
Draft Final 15%
Oral Presentation 20%
Final Report 50%

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>Due Date</th>
<th>Comments (average length)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposal</td>
<td>5</td>
<td>Sept 29</td>
<td>5-10 pages</td>
</tr>
<tr>
<td>Progress Report</td>
<td>10</td>
<td>November 28</td>
<td>10-20 pages</td>
</tr>
<tr>
<td>Draft Final</td>
<td>15</td>
<td>February 24</td>
<td>25-35 pages</td>
</tr>
<tr>
<td>Oral Presentation</td>
<td>20</td>
<td>March - tba</td>
<td>n/a</td>
</tr>
<tr>
<td>Final</td>
<td>50</td>
<td>April 8</td>
<td>35 + pages</td>
</tr>
</tbody>
</table>

**Notes:**
The proposal, progress report and draft final are marked solely by the research supervisor. 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 to the Departmental Office no later than 4 pm on the day it is due. Late reports will be deducted 5% for each day late up to 2 days with a mark of 0% after that. All late reports are reported directly to Dr. Basu.
Requests for Academic Accommodations for Students with Disabilities:
Students with disabilities requiring academic accommodations are required to contact a coordinator at the Paul Menton Centre (see also carleton.ca/equity) to complete the necessary letters of accommodation. The student must then make an appointment to discuss their needs with the instructor at least two weeks prior to the first in-class test or midterm test. This is to ensure sufficient time is available to make the necessary accommodation arrangements.

Requests for Academic Accommodation for Religious Obligations
Students requesting academic accommodation on the basis of religious obligation should make a formal, written request to their instructors for alternate dates and/or means of satisfying academic requirements. Such requests should be made during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist, but no later than two weeks before the compulsory event. Accommodation is to be worked out directly and on an individual basis between the student and the instructor(s) involved. Instructors will make accommodations in a way that avoids academic disadvantage to the student.

Requests for Academic Accommodation for Pregnancy:
Pregnant students requiring academic accommodations are encouraged to contact an Equity Advisor in Equity Services to complete a letter of accommodation. The student must then make an appointment to discuss her needs with the instructor at least two weeks prior to the first academic event in which it is anticipated the accommodation will be required.