CENG/ELEC/SENG 399 – Design Project I

Term – Fall 2015 (201509)

Instructor
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Office Hours
Days: by appointment via 721-8613, or email
Location: EOW 323

Lectures
A-Section(s): CENG 399 A01 / CRN 10409
ELEC 399 A01/ CRN 11291
SENG 399 A01/ CRN 12922

Days: Tuesdays
Time: 16:30-17:20
Location: ECS 125

Required Text
Title: Design for Electrical and Computer Engineers
Author: Salt and Rothery
Publisher: John Wiley & Sons
Year: 2001

Course Web: www.ece.uvic.ca/~elec399

Optional Text

Assessment:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percentage</th>
<th>Due Date</th>
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</thead>
<tbody>
<tr>
<td>Midterm Report</td>
<td>20%</td>
<td>October 27, 2015</td>
</tr>
<tr>
<td>Final Report</td>
<td>40%</td>
<td>November 24, 2015</td>
</tr>
<tr>
<td>Presentation</td>
<td>40%</td>
<td>November 17, 24, December 1, 2015</td>
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Course Description
1. Course Objectives: The CENG/ELEC/SENG 399 Design Project I is intended to provide an opportunity for students to study engineering design projects from a theoretical point of view as a team of 3 to 5 persons. Each team will select a suitable previously designed project and study and present them in the context of material discussed in class. The projects may have a diverse nature (theoretical investigations, practical designs, measurements, software developments, etc.)
The students are expected to learn the project design process, including setting up milestones, background preparation, application of previously acquired knowledge to the project development, exploration of alternative approaches and evaluate them.

2. Learning Outcomes: Expected learning experience and outcomes are based on the knowledge and skills acquired by the student in earlier and concurrent course work, and Professional Engineers’ awareness and consideration with respect to the environment, ethics, equity, public and worker safety and health. The students will learn project planning, as well as design process through seminars and projects.

3. Syllabus: Understanding system analysis and design cycle, planning phase, analysis phase, design phase and implementation phase.

**Note:** (sample notes for the instructors)
Failure to complete all laboratory requirements will result in a grade of N being awarded for the course.

The final grade obtained from the above marking scheme for the purpose of GPA calculation will be based on the percentage-to-grade point conversion table as listed in the current Undergraduate Calendar.

**There will be no supplemental examination for this course.**

**Note to Students:**
Students who have issues with the conduct of the course should discuss them with the instructor first. If these discussions do not resolve the issue, then students should feel free to contact the Chair of the Department by email or the Chair's Secretary to set up an appointment.

**Accommodation of Religious Observance**
[http://web.uvic.ca/calendar/GI/GUPo.html](http://web.uvic.ca/calendar/GI/GUPo.html)

**Policy on Inclusivity and Diversity**
[http://web.uvic.ca/calendar/GI/GUPo.html](http://web.uvic.ca/calendar/GI/GUPo.html)

**Standards of Professional Behaviour**
You are advised to read the Faculty of Engineering document Standards for Professional Behaviour in current Undergraduate Calendar, which contains important information regarding conduct in courses, labs, and in the general use of facilities.

Cheating, plagiarism and other forms of academic fraud are taken very seriously by both the University and the Department. You should consult entry in current Undergraduate Calendar for the UVic policy on academic integrity.

[http://www.uvic.ca/engineering/assets/docs/professional-behaviour.pdf](http://www.uvic.ca/engineering/assets/docs/professional-behaviour.pdf)

**Course Lecture Notes**
Unless otherwise noted, all course materials supplied to students in this course have been prepared by the instructor and are intended for use in this course only. These materials are NOT to be re-circulated digitally, whether by email or by uploading or copying to websites, or to others not enrolled in this course. Violation of this policy may in some cases constitute a breach of academic integrity as defined in the UVic Calendar