



BME/CENG/ELEC/SENG 499 – Design/Technical Project
Term – Summer 2017 (201705)

Instructor	Office Hours
Dr. T. Ilamparithi	Days: -
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LECTURE DATE(S)

Sections:	Days:	Time:	Location:
CENG 499 A01/ CRN30076 ELEC 499 A01/ CRN30358 SENG 499 A01/ CRN30786 BME 499 A01/ CRN30065	Thurs	16:30 am - 17:20 pm	ECS 123

TA Name	E-mail	Office
Philip	philipbaback_orbsix@msn.com	Contact: by email.

COURSE OBJECTIVES:

The Design Project course provides an opportunity for students to acquire formal design experience working on a project in a team of normally 4 to 6 persons. Each team will select and execute a project approved and supervised by a faculty member.

LEARNING OUTCOMES:

- Understand and apply engineering design process;
- Formulate a problem definition, design goals, and design objectives for a design activity;
- Generate and evaluate conceptual design ideas;
- Apply mathematical methods for the analysis of an engineering design;
- Participate effectively in teamwork during engineering design;
- Communicate effectively with stakeholders such as clients and industry;
- Produce a functional prototype or extensive simulation of the design;
- Test, evaluate and document the performance of the prototype;
- Prepare professional reports, and deliver an oral presentation of the design activity;
- Understand the social implications of engineering work;

For success, each student should:

- Attend all student team design meetings and share the work;
- Attend all guest lectures
- Actively participate in preparation of Progress Reports and Final Reports;
- Attend all student pitches and presentations;
- Participate in the presentations;

Assessment:	Weight	Date
Idea Pitch	02%	May 18, May 25
Progress Presentation	03%	June 8, June 15 and June 22
Progress Report 1	10%	June 19
Progress Report 2	10%	July 10
Web Presentation	20%	July 20
Major Project <ul style="list-style-type: none">• Final Report• Work Logs• Milestones	55%	July 27

NOTE: Failure to complete all course 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.

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.

GENERAL INFORMATION:

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.

Attendance

Students are expected to attend all classes in which they are enrolled. An academic unit may require a student to withdraw from a course if the student is registered in another course that occurs at the same time.

An instructor may refuse a student admission to a lecture, laboratory, online course discussion or learning activity, tutorial or other learning activity set out in the course outline because of lateness, misconduct, inattention or failure to meet the responsibilities of the course set out in the course outline. Students who neglect their academic work may be assigned a final grade of N or debarred from final examinations.

Students who do not attend classes must not assume that they have been dropped from a course by an academic unit or an instructor. Courses that are not formally dropped will be given a failing grade, students may be required to withdraw and will be required to pay the tuition fee for the course." UVic Calendar, (2015) <http://web.uvic.ca/calendar2015-09/FACS/UnIn/UARe/Atte.html>

Accommodation of Religious Observance (AC1210)

<http://web.uvic.ca/calendar2015-09/GI/GUPo.html>

Discrimination and Harassment Policy (GV0205)

<http://web.uvic.ca/calendar2015-09/GI/GUPo.html>

**Faculty of Engineering, University of Victoria
Standards for Professional Behaviour**

"It is the responsibility of all members of the Faculty of Engineering, students, staff and faculty, to adhere to and promote standards of professional behaviour that support an effective learning environment that prepares graduates for careers as professionals...."

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

<http://www.uvic.ca/engineering/current/undergrad/index.php#section0-23>

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

<http://web.uvic.ca/calendar2015-09/FACS/UnIn/UARe/PoAcl.html>

Equality: This course aims to provide equal opportunities and access for all students to enjoy the benefits and privileges of the class and its curriculum and to meet the syllabus requirements. Reasonable and appropriate accommodation will be made available to students with documented disabilities (physical, mental, learning) in order to give them the opportunity to successfully meet the essential requirements of the course. The accommodation will not alter academic standards or learning outcomes, although the student may be allowed to demonstrate knowledge and skills in a different way. It is not necessary for you to reveal your disability and/or confidential medical information to the course instructor. If you believe that you may require accommodation, the course instructor can provide you with information about confidential resources on campus that can assist you in arranging for appropriate accommodation. Alternatively, you may want to contact the Resource Centre for Students with a Disability located in the Campus Services Building. The University of Victoria is committed to promoting, providing, and protecting a positive, and supportive and safe learning and working environment for all its members.