Dongseo University

Division of Computer Engineering

Capstone Design 1

Instructor(s): LEE/SangGon
Office:
Phone: -
Email: -

Classroom: -
Class Time: 3 hour/week
Office Hours: 9:00am - 8:00pm

Course Description:
Capstone Design is the culmination of the undergraduate student experience, creating a blueprint for innovation in engineering design. Capstone Design challenges students in teams of three or four to push their own boundaries, and apply the knowledge and skills learned in the classroom and on co-op work terms. It reinforces the concepts of team work, project management, research and development.
Through this course, the students will experience the capstone design process and carry out engineering design projects.

Course Goals & Objectives:
When the students finish this course, they will be able to
1. Understand the engineering design process
2. Develop team building skills
3. Manage team projects
4. Write technical report/journal

Course Outline:

- Week 1 Overview of Class and Team Building
- Week 2 Capstone Design Project Plan Presentation – Team based
- Week 3 Capstone Design Seminar – Design Methodology
- Week 4 Concept Design review. Capstone Design Seminar
         – How to draw a plan
- Week 5 Design review – 1st
- Week 6 Design review – 2nd
- Week 7 Design review – 3rd
- Week 8 Capstone Design Midterm-report
- Week 9 Design Implementation review – 1st
- Week 10 Design Implementation review – 2st
- Week 11 Design Implementation review – 3st
- Week 12 Design Testing review – 1st
- Week 13 Design Testing review – 2nd
- Week 14 Design Testing review – 3rd
- Week 15 Final Report

Textbook(s)
- Required: Capstone Student Manual (will be distributed at the class)
- Recommended: N.A Yet

Class Website: e-Class

Course Assignments & Grading:
- *Assignments*: N.A
- *Bonus Credit*: None
- *Grading*: A/B/C/D/E/F

Grading Policies:
- *Exams: N.A*
- *Quizzes*: N.A
- *Course Projects*: Midterm report (40%), Final Term report (50%)
- *Attendance*: 10%

Course Policies:
- Attendance: 20%
- Academic Misconduct Policy: N.A Yet