



ME492 Graduation Project - II (Required Course)

Code and Name: ME492 Graduation Project - II

Credit Hours: 3 (Lecture: 2, Tutorial: 0, Lab/Practical: 2)

Textbook:

- Diverse, and recommended from the advisor according to the topic of the project.

Other References:

Course Description:

The type of graduation project has to be a capstone design. A capstone design project should be planned to provide a unified effort in developing: teamwork skills, multidisciplinary interaction, communication skills, fundamentals of engineering design processes, and application of engineering design principles to a real engineering project.

Pre-requisites: ME491- Graduation project I

Co-requisites: None

Course Learning Outcomes:

With relation to ABET Student Outcomes (SOs: 1-7)

(1, 2, 3, 4, 6)

Topics to be covered:

- Incorporating suggested changes based on first project report (GPI). Verification of design calculations.
- Design specifications, Synthesis, Creativity and Conceptualization
- Model development and assembly. Use of standards and design codes
- Testing and analysis of results
- Optimization of the design solution
- Examination, Discussion, corrections and Final Report submission. (after corrections).

Grading Policy:

The grading for the course are Supervision throughout the semester (25%), Final written report (Supervisor: Due in the last week of the semester 10%), Final written report (Examiners: Due in the last week of the semester, 15%), Oral presentation and discussion (Supervisor: Due in the last week of the semester, 15%), Oral presentation and discussion (Examiners: Due in the last week of the semester, 35%)

