MEE540 MSc Thesis

Course Title	MSc Thesis
Course Code	MEE540
Course Type	Compulsory
Level	Masters (2nd Level)
Year / Semester	2nd year / Fall Semester
Teacher's Name	
ECTS	20 Lectures / week Laboratories/week
Course Purpose	The course purpose is to teach and train the students of how to search relative to the project information by using existing data-bases, decide about an innovative project, formulate it and provide a solution based on theoretical considerations and experimental results, whereas is possible
Learning Outcomes	1. State clearly an existing engineering problem 2. Perform extensive literature review in order to find what has been done on the subject by other scientists 3. Identify the project which will provide a solution to the existing engineering problem by introducing an innovation, Divide the project in several distinct Work Packages which contain different Tasks in a timetable, towards the successful completion of the project 4. Execute the theoretical and experimental work according to the timetable and Write the Mid-Term Overview report 5. Write the final report presenting all the theoretical and experimental work, including the methodology used, the results, the final conclusions and future suggestions
Prerequisites	MEE 530 Corequisites None
Course Content	Projects may be theoretical, experimental or design projects. In case of group projects each student is assigned specific tasks. Each student has a project advisor with whom he meets at least once a week to discuss project progress and future work. Each student is responsible for presenting a final report that will include a detailed mathematical background of the problem, justify design decisions taken, include working drawings, specifications, calculations and cost assessment where applicable. The student is also responsible to present his work and answer questions orally.
Teaching Methodology	− Weekly contact with the advisor − Extensive use of the University and other Electronic Libraries − Extensive use of University's Laboratories and Workshops − Participation in seminars and conferences
Bibliography	All relative to the project Books and Journals
Assessment	− Produce a written Thesis − Oral Presentation of Thesis
Language	English