

COURSE PROFILE

Course Number : ENGG 100	Course Title : Engineering Orientation
Required / Elective : Required	Pre-requisite : none
Catalog Description: Presentation of the engineering programs offered by the faculty. Detailed information about the various specialization areas of each engineering program and employment possibilities.	Textbook / Required Material : Handouts by each department Reading assignments to be announced through course-on-line
Course Structure / Schedule : (1+0+0) 1 / 1 ECTS	
Extended Description : The course will emphasize the main characteristics needed to become an engineer and the importance of basic sciences in engineering education. It will familiarize the students with the birth of each engineering principle and with the various specialization areas in each profession. It aims also to impart the recognition of the need of life-long learning, to convey the importance of professional and ethical responsibility, to explain the need of multi-disciplinary team work in engineering projects and to point out the impact of engineering solutions on the society and the environment.	
Design content : None	Computer usage: None
Course Outcomes: [relevant program outcomes in brackets]: <ul style="list-style-type: none"> a. Recognize the importance of basic sciences in engineering education [1] b. Appreciate professional and ethical responsibility[5] c. Embrace the idea of life-long learning[10] d. Recognize the impact of engineering solutions in terms of social, economic and environmental issues.[3] e. Acquire knowledge about contemporary issues in engineering[3] f. Value a participation in team projects[8] 	
Recommended reading:	
Teaching Methods: Lecture and discussions, self study and library research	
Assessment Methods: [Related to course outcomes] Attendance 50% Final Exam 50%	

Student Workload:

Lectures, discussions 14 hrs

Self study 8 hrs

Final Exam 3 hrs

TOTAL 25 hrs = 25 x 1 ECTS

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