

School of Engineering and Natural Sciences / Industrial Engineering (English)

2022 - 2023 Academic Year

ENGINEERING PROJECT II

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
ENGINEERING PROJECT II	IND4110789	Fall Semester	1+2	2	6
Prerequisites Courses	MÜHENDİSLİK PROJESİ I				
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assoc.Prof. Melis Almula KARADAYI				
Name of Lecturer(s)	Prof.Dr. Hakan TOZAN				
Assistant(s)					
Aim	Mühendislik bitirme projesi mühendislik öğrencilerine öğrenimleri boyunca edindikleri teorik bilginin pratikte çalışan bir sisteme uygulamasını amaçlar.Öğrencilere, program dâhilinde kazandıkları bilgi ve becerileri kullanarak gerçek hayattan alınan bir problemi analiz etmeyi, modellemeyi ve çözmeyi öğrenir. Küçük gruplar halinde çalışacak olan mühendislik öğrencileri iddialı bir mühendislik tasarım projesini tasarlar, yapar, ve sunar.				
Course Content	This course contains; To obtain proect individual components.,Integration of project components.,Obtaining the model design and testing,Checking the success criteria.,Writing the project report and preparing the presentation..				
Course Learning Outcomes		Teaching Methods	Assessment Methods		
The ability to grasp the need for test plans and the ability to test different functions of a developed model.		14, 16, 3, 8	B, D		
By using different engineering topics, the ability to build up a model.		14, 16, 8	B, D		
The ability to present the work orally and textual.		14, 8	B, D		
The ability to convert theoretical knowledge into practical engineering designs.		16, 3, 8	B, D		
Understanding of project schedule and ability to work under strict deadlines		14, 3	B, D		
Teaching Methods	14: Self-Study, 16: Project Based Learning, 3: Discussion, 8: Teamwork				
Assessment Methods	B: Oral Exam, D: Project / Design				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	To obtain proect individual components.	Comparison of different components.			
2	Integration of project components.	Combining different project components.			
3	Obtaining the model design and testing				
4	Checking the success criteria.	Defining project success			
5	Writing the project report and preparing the presentation.	Technical writing and presentation skills to be acquired.			
Evaluation Methods		Weight(%)			
Midterm Exam		30			
General Exam		70			

Resources