

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

**2022 - 2023 Academic Year**

**ENGINEERING PROJECT II**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
ENGINEERING PROJECT II	IND4210789	Spring Semester	1+2	2	6
<b>Prerequisites Courses</b>	MÜHENDİSLİK PROJESİ I				
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Assoc.Prof. Melis Almula KARADAYI				
<b>Name of Lecturer(s)</b>	Assoc.Prof. Melis Almula KARADAYI				
<b>Assistant(s)</b>					
<b>Aim</b>	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.				
<b>Course Content</b>	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..				
<b>Course Learning Outcomes</b>		<b>Teaching Methods</b>		<b>Assessment Methods</b>	
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	
<b>Teaching Methods</b>	14: Self-Study, 16: Project Based Learning, 3: Discussion, 8: Teamwork				
<b>Assessment Methods</b>	B: Oral Exam, D: Project / Design				
<b>Lecture Schedule</b>					
<b>Sequenc e</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
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.			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		30			
General Exam		70			

<b>Resources</b>