

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
INTRODUCTION to INDUSTRIAL ENGINEERING	IND1118980	Fall Semester	2+0	2	2
<b>Prerequisites Courses</b>					
<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>	Lect. Özgür EROL, Assoc.Prof. Melis Almula KARADAYI, Assoc.Prof. Yasin GÖÇGÜN				
<b>Assistant(s)</b>					
<b>Aim</b>					
<b>Course Content</b>	This course contains; Introduction to the field of Industrial Engineering,Introduction to Operations Research,Introduction to Optimization,Introduction to Location Analysis,Introduction to Cost Analysis and Feasibility Studies,Introduction to Transportation Models,Introduction to Engineering Economics,Introduction to Inventory Models,Introduction to Stochastic Modeling,Introduction to Time Study and Process Analysis,Introduction to Project Management,Introduction to the Quality Concept and Quality Control,Introduction to Work Study,Introduction to System Analysis and Design .				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
Examine industrial engineering problems from an analytical point of view.			12, 16, 9	A	
Make proposals and improvements that will ensure the harmonious operation of the different units of the system.			12, 16, 9	A	
Decide which Industrial Engineering technique can solve the encountered problems.			12, 14, 16, 19, 9	A	
Recognize basic concepts and techniques in the main subjects of industrial engineering.			12, 14, 16, 9	A	
<b>Teaching Methods</b>	12: Problem Solving Method, 14: Self Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction to the field of Industrial Engineering	Lecture Notes			
2	Introduction to Operations Research	Lecture Notes			
3	Introduction to Optimization	Lecture Notes			
4	Introduction to Location Analysis	Lecture Notes			
5	Introduction to Cost Analysis and Feasibility Studies	Lecture Notes			
6	Introduction to Transportation Models	Lecture Notes			
7	Introduction to Engineering Economics	Lecture Notes			
8	Introduction to Inventory Models	Lecture Notes			
9	Introduction to Stochastic Modeling	Lecture Notes			
10	Introduction to Time Study and Process Analysis	Lecture Notes			
11	Introduction to Project Management	Lecture Notes			
12	Introduction to the Quality Concept and Quality Control	Lecture Notes			
13	Introduction to Work Study	Lecture Notes			
14	Introduction to System Analysis and Design	Lecture Notes			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		30			
General Exam		70			
<b>Resources</b>					