

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
IND102	Introduction to Industrial Engineering	1	3	0	0	3	4
Prerequisites							
Admission Requirements							
Language of Instruction	English						
Course Type	Compulsory						
Course Level	Bachelor Degree						
Objective	Introduce the main topics of industrial engineering.						
	Inform students about the courses taught in the industrial engineering department,						
	Inform students about problems that they will encounter in a business environment						
	Week 1: History, topics and areas of interest of industrial engineering						
	Week 2: Operations research						
	Week 3: Operations research						
	Week 4: Operations research						
	Week 5: Probability						
	Week 6: Statistics						
	Week 7: Engineering economics						
	Week 8: Midterm exam						
	Week 9: Decision analysis						
	Week 10: Project management						
	Week 11: Productivity management						
	Week 12: Quality management						
Content	Week 13: General accounting and finance						
	Week 14: Project presentations						
	1. Tanyaş, M., “Endüstri Mühendisliğine Giriş”, İrfan Yayınevi, 2000.						
	2. Turner, W.C., Mize, J.H., Case, K.E., Nazemitz, J.W., “Introduction to Industrial and System Engineering, Pearson”, 1993.						
	3. Salvendy, G., “Handbook of Industrial Engineering”, Wiley, 2007.						
References							

Theory Topics

Week	Weekly Contents
1	History, topics and areas of interest of industrial engineering
2	Operations research
3	Operations research
4	Operations research
5	Probability
6	Statistics
7	Engineering economics
8	Midterm exam
9	Decision analysis
10	Project management
11	Productivity management
12	Quality management
13	General accounting and finance
14	Project presentations