Content

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
Content	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 Week 13: General accounting and finance Week 14: Project presentations
References	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.

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