TOROS ÜNİVERSİTESİ

Faculty Of Engıneerıng
Industrıal Engıneerıng (Englısh)

Course Information

INTRODUCTION TO INDUSTRIAL ENGINEERING					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
INE111	Fall	3	0	3	4

Prerequisites and co-requisites	none
Language of instruction	English
Type	Required
Level of Course	Bachelor's
Lecturer	Asst. Prof. Fikri EGE
Mode of Delivery	Face to Face
Suggested Subject	none
Professional practise (internship)	None
Objectives of the Course	The aim is to define industrial engineering, describe its place in the business world and give a broad picture of the functional areas with some solution techniques.
Contents of the Course	This course provides an introduction to industrial engineering. The history of industrial engineering, function areas of industrial engineering and the operations research systems will be teach to students.

Learning Outcomes of Course

#	Learning Outcomes
1	Student will gain main information about industrial engineering and s/he will be able to apply these information in real life.
2	Student gains mental power for thinking on manufacturing systems.
3	Student gains main information on undegraduate lectures and internships.
4	

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Introduction	Synchronous
2	Nature of Manufacturing & Manufacturing Systems	Synchronous
3	Supply Chain Management (Inventory Control)	Synchronous
4	OR: Linear Programming (Formulation)	Synchronous
5	OR: Linear Programming (Graphical Solution)	Synchronous
6	Cost Analysis and Engineering Economy	Synchronous
7	Midterm	Exam
8	Decision Making	Synchronous
9	Introduction to Quality	Synchronous
10	Work Design	Synchronous
11	Ergonomics & Industrial Safety	Synchronous
12	Engineering Ethics	Synchronous

13	Simulation	Synchronous
14	Lean Production and 6σ	Synchronous
15	Revision and Discussion	Synchronous
16	Final Exam	Exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Introduction to Industrial Engineering, Shtub A., Cohen Y. CRC Press		
2	Introduction to Industrial and Sytems Engineering, Turner W.C., Mize J.H., Case K.E. Prentice-Hall.		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Student will gain main information about industrial engineering and s/he will be able to apply these information in real life.	9	1,2
2	Student gains mental power for thinking on manufacturing systems.	9	1,2
3	Student gains main information on undegraduate lectures and internships.	9	1,2
4			

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	6	84
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	3	3
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	1	1
16	Final Exam	1	1	1