

TOROS ÜNİVERSİTESİ

Faculty Of Engineering
Electrical And Electronics Engineering (English)

Course Information

ENGINEERING ECONOMICS					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ECO401	Fall	3	0	3	5

Prerequisites and co-requisites	
Language of instruction	English
Type	Required
Level of Course	Bachelor's
Lecturer	Prof. Dr. Yusuf ZEREN
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	This lesson aims to provide sound and comprehensive coverage of the concept of engineering economics and also address the practical concerns of engineering economics.
Contents of the Course	The topics covered in this course include: • Understanding money and its management. • Evaluating business and engineering. • Development of project cash flows. • Special topics in engineering economics.

Learning Outcomes of Course

#	Learning Outcomes
1	Getting knowledge about Engineering economics decisions and Time value of money
2	Getting knowledge about Equivalence under inflation Business and Organizational Structures.
3	Getting knowledge about Accounting depreciation and incomes taxes
4	Getting knowledge about Benefit-cost- analysis and Interest factors and compounding

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Engineering economics decisions	lecture
2	Time value of money	lecture
3	Equivalence under inflation Business and Organizational Structures.	lecture
4	Present worth analysis	lecture
5	Rate of return analysis	lecture
6	Accounting depreciation and incomes taxes	lecture
7	Project cash-flow analysis	lecture
8	Midterm Exam	
9	Handling project uncertainty	lecture
10	Replacement decisions	lecture
11	Benefit-cost- analysis	lecture
12	Understanding financial statement	lecture

13	Interest factors and compounding	lecture
14	Complementary work	lecture
15		
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	"Fundamentals of Engineering Economics, 2nd. Edition, Pearson International Edition, Chan S. Park "		

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	Getting knowledge about Engineering economics decisions and Time value of money	1	1,2
2	Getting knowledge about Equivalence under inflation Business and Organizational Structures.	2	1,2
3	Getting knowledge about Accounting depreciation and incomes taxes	3,5	1
4	Getting knowledge about Benefit-cost- analysis and Interest factors and compounding	4,6	1,2

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	3	42
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	17	17
8	Midterm Exam	1	2	2
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	20	20
16	Final Exam	1	2	2
				125

