

School of Engineering and Natural Sciences / Industrial Engineering (English)

2022 - 2023 Academic Year

COST ANALYSIS

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
COST ANALYSIS	IND2133960	Fall Semester	3+0	3	6
Prerequisites Courses	MATEMATİK I				
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assoc.Prof. Melis Almula KARADAYI				
Name of Lecturer(s)	Lect. Özgür EROL				
Assistant(s)					
Aim	In this course, it is aimed to provide basic skills of cost analysis required during the evaluation stage of Project management.				
Course Content	This course contains; Defines the feasibility and the concept of cost,Classifies the costs,Identifies the project development stages,Analyzes the cash flows of project development stages,Order Cost System,Order Cost System,Stage Cost System,Process Cost system,Analyzes the cost behavior,Analyzes the cost behavior,Cost-Volume and Profit,Variable Cost Management,Operational Cost Management,Project Management.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1.	Identify and classify the concept of cost and related terms.		1, 14, 15, 18, 2, 4	A, C, E	
2.	Design different cost systems for Projects.		1, 12, 14, 15, 4	A, C	
3.	Monitors the changes of cost in Project management.		1, 14, 15, 16, 3, 4	A	
4.	Analyzes on the Cost- Volume and profit		1, 10, 12, 15, 16, 2, 4	A, C, D	
5.	Manages the systems of feasibility management with variable and operational cost valuation		1, 12, 4	A, E, F	
Teaching Methods	1: Lecture, 10: Brainstorming, 12: Case study, 14: Self-Study, 15: Problem solving, 16: Project Based Learning, 18: Case Study, 2: Question - Answer, 3: Discussion, 4: Exercise, Practice				
Assessment Methods	A: Written Exam, C: Homework, D: Project / Design, E: Quiz, F: Performance task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Defines the feasibility and the concept of cost				
2	Classifies the costs				
3	Identifies the project development stages				
4	Analyzes the cash flows of project development stages				
5	Order Cost System				
6	Order Cost System				
7	Stage Cost System				
9	Process Cost system				
10	Analyzes the cost behavior				
11	Analyzes the cost behavior				
12	Cost-Volume and Profit				
13	Variable Cost Management				
14	Operational Cost Management				
15	Project Management				
Evaluation Methods		Weight(%)			
Midterm Exam		30			
General Exam		70			

Resources
Feryal Orhon Basık (2012) Rekabet Stratejisinde Maliyet Yönetimi, Türkmen Kitabevi Halil Sarıaslan, Yatırım Projelerinin Yönetimi ve Değerlendirilmesi