

ENGINEERING PROJECT MANAGEMENT

1	Course Title:	ENGINEERING PROJECT MANAGEMENT	
2	Course Code:	BMB4008	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. KEMAL FİDANBOYLU	
15	Course Lecturers:	-	
16	Contact information of the Course Coordinator:	e-posta: kfidan@uludag.edu.tr Uludağ Üniversitesi, Bilgisayar Mühendisliği Bölümü Görükle Kampüsü, 16059 Nilüfer, Bursa	
17	Website:		
18	Objective of the Course:	To provide the students with basic knowledge about project management in engineering.	
19	Contribution of the Course to Professional Development:	Project Management: 80%; Engineering Science: 15%; Engineering Design: 5%	
20	Learning Outcomes:		
		1	Apply project selection methods to evaluate the feasibility of projects
		2	Assess project contribution to business strategy, purpose and plans
		3	Select appropriate project management practices, tools, and methodologies
		4	Define and document project schedule, budget, resources, and quality
		5	Develop a project plan
		6	Develop a Work Breakdown Structure (WBS)
		7	Analyze and refine project time and cost estimates to define project baseline, schedule and budget
		8	Develop criteria for selecting, leading, and managing project teams
		9	Recognize risk events and issues
		10	Define performance criteria to support quality assurance
21	Course Content:		
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Week	Theoretical	Practice	
1	Overview of Project Management		
2	Project Management Growth: Concepts and Definitions		
3	Organizational Structures		

4	Organizing and Staffing the Project Office and Team	
5	Management Functions	
6	Communications Management; Conflicts; Special Topics	
7	The Variables for Success; Working with Executives	
8	Planning	
9	Network Scheduling Techniques	
10	Pricing and Estimating; Cost Control	
11	Metrics; Trade-off Analysis in a Project Environment	
12	Risk Management	
13	Learning Curves; Contract Management	
14	Quality Management	
22	Textbooks, References and/or Other Materials:	1. H. Kerzner, Project Management: A Systems Approach to Planning, Scheduling, and Controlling, 12th Ed., Wiley, 2017. 2. A Guide to the Project Management Body of Knowledge (PMBOK Guide), Project Management Institute, 6th Ed., 2017.
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBER
		WEIGHT
Midterm Exam		1
Quiz		0
Home work-project		1
Final Exam		1
Total		3
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Classical and test problem-solving ability will be measured in midterm and final exams. The project will include research, report writing and presentation on a subject related to the course content.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	0	0.00	0.00
Projects	1	31.00	31.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			150.00
Total work load/ 30 hr			5.00
ECTS Credit of the Course			5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
ÖK2	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
ÖK3	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
ÖK4	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
ÖK5	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
ÖK6	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
ÖK7	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
ÖK8	1	1	1	1	1	5	5	1	3	4	5	4	0	0	0	0
ÖK9	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
ÖK10	1	1	1	1	1	1	1	1	3	4	5	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							