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:	

Course Content:

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**
Home work-project	1	15.00
Success Grade	3	100.00
Total		100.00
Contribution of Final Exam to Success Grade		20.00
Total		100.00
Course		In midterm and final exams. The project will include research, report writing and presentation on a subject

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 h			5.00
ECTS Credit of the Course			5.00

24 ECTS / WORK LOAD TABLE

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

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**