



TC. ESKİŞEHİR OSMANGAZİ UNIVERSITY
ARCHITECTURE AND ENGINEERING FACULTY
MECHANICAL ENGINEERING DEPARTMENT

COURSE INFORMATION FORM

SEMESTER | SPRING

COURSE CODE	151818433/151838433	COURSE NAME	Project and Risk Management
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SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAG E
8	2	0	0	2	2	COMPULSORY (x) ELECTIVE ()	Turkish

COURSE CATAGORY

Basic Science	Basic Engineering	Engineering Subjects [if it contains considerable design, mark with (√)]	Social Science
	10	(40)	50

ASSESSMENT CRITERIA

MID-TERM	Evaluation Type	Quantity	%
	Mid-Term		1
	Quiz		
	Homework		
	Project		
	Report		
	Others (.....)		
FINAL EXAM		1	60

PREREQUIEITE(S)	Basic Computer Knowledge
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COURSE DESCRIPTION	Definition of Project and Project management. Project handbook. Gantt chart, Project management with CPM and PERT. Resource analysis. Crashing analysis. Project planning with MS Project 2007. Earned value analysis. Risk analysis and risk evaluation techniques.
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COURSE OBJECTIVES	To teach Project management concepts and techniques. To teach Project planning and tracking with MS Project software. To clarify risk management concept and techniques.
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ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	To teach scheduling and tracking of activities when project based production occurs in production and service systems
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COURSE OUTCOMES	1. Ability of scheduling and tracking of activities in Project based production. 2. Ability of desining and tracking of a Project with MS Project software. 3. Ability of desing and present of a project by group working on a real problem.
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TEXTBOOK	K. Lockyer, J. Gordon, 1991, Critical Path Analysis 5.ed., Pitman Publishing, 244 p. C. Chatfield, T. Johnson, 2009, Adım Adım Microsoft Project 2007, Ankara, Arkadaş Yayınevi
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OTHER REFERENCES	C. F. Gray, E. W. Larson, 2000, Project Management, Mc Graw Hill, 496 p.
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TOOLS AND EQUIPMENTS REQUIRED	Ms Project software, data projection and computer.
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COURSE SYLLABUS	
W E E K	TOPICS
1	Basic concepts in project management and phases of project management
2	Preparing the project handbook, organization types of project team.i
3	Project planning with Gantt chart, network types of a project
4	CPM (Critical path method), successive activities
5	PERT (Probabilistic evaluation and review technique)
6	Basic MS Project education
7	Advanced MS Project education
8	Mid-Term Examination
9	Mid-Term Examination
10	Project crashing analysis
11	Resource analysis
12	Earned value analysis
13	Risk management and analysis
14	Risk management and analysis
15, 16	Final Exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of engineering subjects related with mathematics, science and own branch; an ability to apply theoretical and practical knowledge on solving and modeling of engineering problems.	[]	[]	[X]
2	Ability to determine, define, formulate and solve complex engineering problems; for that purpose an ability to select and use convenient analytical and experimental methods.	[]	[]	[X]
3	Ability to design a complex system, a component and/or an engineering process under real life constrains or conditions, defined by environmental, economical and political problems; for that purpose an ability to apply modern design methods.	[]	[X]	[]
4	Ability to develop, select and use modern methods and tools required for engineering applications; ability to effective use of information technologies.	[]	[X]	[]
5	In order to investigate engineering problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	[]	[]	[X]
6	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	[]	[]	[X]
7	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	[]	[]	[X]
8	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	[]	[]	[X]
9	Understanding of professional and ethical issues and taking responsibility	[]	[]	[X]
10	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	[X]	[]	[]

11	Knowledge of actual problems and effects of engineering applications on health, environment and security in global and social scale; an awareness of juridical results of engineering solutions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1:None. 2:Partially contribution. 3: Completely contribution.				

Prepared by: Yrd. Doc. Dr. Çisil TİMURALP

Date: 13/11/2017

Signature(s):