



T.C. ESKİŞEHİR OSMANGAZI UNIVERSITY
ENGINEERING AND ARCHITECTURE FACULTY
MECHANICAL ENGINEERING DEPARTMENT

COURSE INFORMATION FORM

SEMESTER	Spring
-----------------	--------

COURSE CODE	151818689	COURSE NAME	Project Management
--------------------	-----------	--------------------	--------------------

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
8	2	0	0	2	2	COMPULSORY (X) ELECTIVE ()	English

COURSE CATAGORY

Basic Science	Basic Engineering	Engineering Subjects [if it contains considerable design, mark with (√)]	Social Science
	20	80	x

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	Mid-Term	1	%30
	Quiz		
	Homework		
	Project	1	%30
	Report		
	Others (.....)		
FINAL EXAM		1	%40

PREREQUIEITE(S)	-
------------------------	---

COURSE DESCRIPTION	Definition of project management, project organization types, preparation of the project manual hand book, Gantt charts, project layout format representation, CPM, PERT, cost analysis, resource scheduling, earned value analysis, project planning and monitoring with MS Project
---------------------------	--

COURSE OBJECTIVES	Explanation of the concepts of project management, explaining how to prepare project handbook, how to plan a project with MS Project will be teach
--------------------------	--

ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	In the case of production on the project at manufacturing and service enterprises, to teach how things scheduling
--	---

COURSE OUTCOMES	<ol style="list-style-type: none"> 1. Ability to scheduling and monitoring of the works in project type production environment 2. An ability to design and execute a project using MS Project software. 3. Work as a team on a real project and the ability to present 4. Working with different people and communication skills
------------------------	--

TEXTBOOK	J Clements, J. Gido, 2012, Effective Project Management, 5. Ed.,CENGAGE Learning Publishing
-----------------	---

OTHER REFERENCES	<p>K. Lockyer, J. Gordon, 1991, Critical Path Analysis 5.ed., Pitman Publishing, 244 p.</p> <p>C. Chatfield, T. Johnson, 2009, Adım Adım Microsoft Project 2007, Ankara, Arkadaş Yayınevi</p>
-------------------------	---

TOOLS AND EQUIPMENTS REQUIRED	A computer with MS Project software
--------------------------------------	-------------------------------------

COURSE SYLLABUS

WEEK	TOPICS
1	Introduction to project management
2	The basic concepts of project management
3	Time management (Gantt chart)
4	Activity on Arc (AOA) and Activity on Node (AON) networks
5	CPM (Critical Path Method), different priority relations between the operations
6	PERT
7	Time cost analysis
8	Mid-Term Examination
9	Resource Scheduling
10	Earned value analysis
11	MS Project training
12	MS Project training
13	Mathematical models for project scheduling
14	Mathematical models for project scheduling
15	Project Presentations
16-17	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.	[]	[]	[x]

1: None. 2: Partially contribution. 3: Completely contribution.

Prepared by: Asst. Prof. Mehmet ERTEM

Date: 05.11.2021

Signature(s):