ESOGÜ Electrical-Electronics Engineering Department

COURSE CODE: 151226376-151246376　　　**COURSE TITLE:** Intro. to Project Management

Semester	Weekly Hours		COURSE			
	Theoretical	Practical	Credits	ECTS	Type	Language
7	2	0	2	3	Compulsory (x)　Elective ( )	Turkish ( )　English (x)

Write the credit (for non-credit courses weekly hours) below (If necessary distribute the credits.).			
Math and Basic Science	**Electrical Engineering** [mark (√) if there is high design content]	**General Education**	**Humanities**
	( )		

Assessment		THEORETICAL-PRACTICAL COURSES			LABORATORY COURSES		
		Type	Number	%	Activity Type	Number	%
Midterm		Midterm	1	30	Quiz		
		Quiz			Lab performance		
		Homework			Report		
		Project	1	30	Oral exam		
		Other (………)			Other (………)		
Final			1	40			
Makeup exam (Oral/Written)		Written					
Prerequisites		Basic Computer Knowledge.					

Brief content of the course	Definition of Project and Project management. Preparing of 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 analysis.
Objectives of the course	To teach Project management concepts and techniques. To teach Project planning and tracking with MS Project software. To give information about risk management.
Contribution of the course towards professional education	To learn scheduling and tracking of activities when project based production occurs in production, service and information systems
Outcomes of the course	1. Ability of scheduling and tracking of activities in Project based production. 2. Ability of designing and tracking of a Project with MS Project software. 3. Ability of design and present of a project by group working on a real problem.
Textbook of the course	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
Other reference books	C. F. Gray, E. W. Larson, 2000, Project Management, Mc Graw Hill, 496 p.
Required material for the course	Ms Project software, data projection and computer.

	WEEKLY PLAN OF THE COURSE	

Week	Topics
1	Basic concepts in project management and phases of project management
2	Preparing the project handbook, organization types of project team.
3	Project planning with Gantt chart, network types of a project
4	CPM (Critical path method), different relationship between successive activities
5	PERT (Probabilistic evaluation and review technique)
6	Basic MS Project education
7	Advanced MS Project education
8	Midterm
9	Midterm
10	Project crashing analysis
11	Resource analysis
12	Earned value analysis
13	Risk management and analysis
14	Presentation of student projects
15,16	Term Exam week

NO	OUTCOMES OF THE PROGRAMME	4	3	2	1
1	Adequate knowledge of mathematics, science and Electrical and Electronic Engineering; ability to practice theoretical and practical knowledge of these areas into modeling and solving problems of Electrical and Electronic Engineering				X
2	Ability to identify complex engineering problems in Electrical and Electronic Engineering and related fields, for this purpose having skills to formulate, select and apply appropriate methods.				X
3	Having skills to apply modern design methods to design a complex system, equipment or product that should work under realistic conditions and constraints and satisfy specific requirements concerning the Electrical and Electronic Engineering.				X
4	Having skills to develop, select and apply modern techniques and tools needed for Electrical and Electronic Engineering applications, skills to use information technology effectively.				X
5	Skills to design and conduct tests, collect data, analyze results, and interpret data for the experimental investigation of Electrical and Electronic Engineering problems				X
6	Ability to function effectively as an individual and as a member of teams within the discipline and in multidiscipline areas.				X
7	Communicating effectively in oral and written form both in Turkish and English.		X		
8	Awareness of the necessity of lifelong learning, access to information, monitoring developments in science and technology and the ability to self-renewing				X
9	Understanding of professional and ethical responsibility				X
10	Information on project management, change management and risk management practices, awareness on entrepreneurship, innovation and sustainable development.	X			
11	Information about universal and societal effects of engineering applications on health, safety and environment; awareness of the legal consequences of engineering solutions.				X

Scale for assessing the contribution of the course to the program outcomes:

4: High   **3: Medium**   **2: Low**   **1:None**

Name of Instructor(s): Asso. Prof. Dr. Aydın Sipahioğlu

Signature(s):

Date: