



ESOGÜ Electrical-Electronics Engineering Department

COURSE CODE: 151225407 – 151245407 **COURSE TITLE:** Business Skills for Engineers

Semester	Weekly Hours		COURSE				
	Theoretical	Practical	Credits	ECTS	Type	Language	
5	3	0	3	4	Compulsory () 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	1	20	Report		
		Project			Oral exam		
		Other (.....)			Other (.....)		
Final			1	50			
Makeup exam (Oral/Written)							
Prerequisites		none					
Brief content of the course		Entrepreneur engineer; Features of engineering; Money management; Time management; Writing skill; Speech and presentation skills; Human relationship; Business and engineering ethics; Team work; Organizing and leadership; Evaluation of technology.					
Objectives of the course		To develop students' business culture skills to be more successful in their professional life					
Contribution of the course towards professional education		To increase the success potential of the engineering students in their careers by developing their business culture skills as entrepreneurs and as paid employees; To strengthen technical knowledge with managerial and visionary information.					
Outcomes of the course		Students develop entrepreneurial knowledge; Engineering learns the dimension of business culture; Students learn about business money management; Students acquire time management skills; Students develop communication and presentation skills; Students learn the basic principles of business and engineering ethics; Understand the importance of teamwork in business; Students learn about organizing and leadership; Students learn to look at technology from an operating point of view.					
Textbook of the course		Goldberg, David E. (2006), "The Entrepreneurial Engineer", Wiley & Sons, USA					
Other reference books		Cather H., Morris R., Wilkinson J. (2001), "Business Skills for Engineers", Newnes, USA Chou, Wushow "Bill" (2013), "Fast-Tracking Your Career: Soft Skills for Engineering and IT Professionals", Wiley & Sons, USA Woods, Clara (2004), "Çalışma Kılavuzu", Optimist Yayın Dağıtım, İstanbul					
Required material for the course		Computer, projection device, presentation software, white board					

WEEKLY PLAN OF THE COURSE	
Week	Topics
1	Entrepreneur engineer; features of engineering business
2	Money management skills
3	Time management skills
4	Business writing skills
5	Speech and presentation skills
6	Case study
7	Human relations
8	Mid-Term Examination
9	Mid-Term Examination
10	Business and engineering ethics
11	Team work
12	Organizing and leadership
13	Evaluation of technology
14	Case study
15,16	Final Exam

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: Very high

3: Medium

2: Low

1: None

Name of Instructor(s):

Gürcan Banger

Signature(s):

Date: