Electrical and Electronic Engineering (English)			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Course Introduction and Application Information

Course Code:	SEG004
Course Name:	Manifest of İstinye 4
Semester:	Spring
Course Credits:	ECTS: 1
Language of instruction:	Turkish
Course Condition:	
Does the Course Require Work Experience?:	No
Type of course:	Compulsory Courses
Course Level:	Bachelor | TR-NQF-HE:6. Master`s Degree | QF-EHEA:First Cycle | EQF-LLL:6. Master`s Degree
Mode of Delivery:	E-Learning
Course Coordinator:	Öğr. Gör. ELİF VARDAR SOLAK
Course Lecturer(s):	TLCE, ISU Academics
Course Assistants:	

Course Objective and Content

Course Objectives:	To ensure the adaptation of our undergraduate students to university life, to create a social and academic infrastructure for our students throughout their university life and to manage their soft skills competence development. Focus on soft skills more on thinking, innovation, flexibility, adaptation to develop leadership and social impact.
Course	This program offers seminars on traditional, innovative, and adult learning theories, practicing

Content:	mental processes, technology flexibility and adaptation, analytical thinking and innovation, complex problem solving, critical thinking and analysis, leadership and social impact.

Learning Outcomes

The students who have succeeded in this course;
1) Developing awareness and social skills in thinking, innovation, flexibility, adaptation to improve leadership and social impact

Course Flow Plan

Week	Subject	Related Preparation
1)	Course orientation	Course syllabus and orientation program
2)	Technology Flexibility and Adaptation	Asynchronous Video Course Material
3)	Technology Flexibility and Adaptation	Asynchronous Video Course Material
4)	Technology Use, Monitoring & Control	Asynchronous Video Course Material
5)	Analytical Thinking and Innovation	Asynchronous Video Course Material
6)	Analytical Thinking and Innovation	Asynchronous Video Course Material
7)	Analytical Thinking and Innovation	Asynchronous Video Course Material
8)	Complex Problem Solving	Asynchronous Video Course Material
9)	Complex Problem Solving	Asynchronous Video Course Material
10)	Complex Problem Solving	Asynchronous Video Course Material
11)	Leadership and Social Impact 1	Asynchronous Video Course Material
12)	Leadership and Social Impact 2	Asynchronous Video Course Material
13)	Leadership and Social Impact	Asynchronous Video Course Material
14)	Course wrap up	Asynchronous Video Course Material
15)	Final Exams Week	Final Exams

Sources

Course Notes / Textbooks:	Asenkron video seminer dersleri, ders notları Asynchronous video seminar lectures, lecture notes
References:	Asenkron video seminer dersleri, ders notları

	Asynchronous video seminar lectures, lecture notes

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1
Program Outcomes	
1) Adequate knowledge in mathematics, science and Electrical and Electronics engineering; the ability to use theoretical and practical knowledge in these areas in complex engineering problems.	
2) Ability to identify, formulate, and solve complex electrical and electronics engineering problems; ability to select and apply appropriate analysis and modeling methods for this purpose.	
3) Ability to design a complex circuit, device or system to meet specific requirements under realistic constraints and conditions; ability to apply modern design methods for this purpose.	
4) Ability to develop, select and use modern techniques and tools necessary for the analysis and solution of complex problems encountered in electrical and electronics engineering applications; ability to use information technologies effectively.	
5) Ability to design, conduct experiments, collect data, analyze and interpret results for the study of complex engineering problems or electrical and electronics engineering research topics.	
6) Ability to work effectively within and multidisciplinary teams; individual study skills.	
7) Ability to communicate effectively orally and in writing; knowledge of at least one foreign language; ability to write effectice reports and understand written reports, to prepare design and production reports, to make effective presentations, to give and receive clear and understandable instructions.	
8) Awareness of the necessity of lifelong learning; ability to access information, to follow developments in science and technology and to renew continuously.	
9) To act in accordance with ethical principles, professional and ethical responsibility; information on the standards used in electrical and electronics engineering applications.	
10) Information on business practices such as project management, risk management and change management; awareness of entrepreneurship and innovation; information about sustainable development.	
11) Knowledge of the effects of electrical and electronics engineering practices on health, environment and safety in the universal and social scale and the problems of the era reflected in electrical and electronics engineering; awareness of the legal consequences of electrical and electronics engineering solutions.	

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Adequate knowledge in mathematics, science and Electrical and Electronics engineering; the ability to use theoretical and practical knowledge in these areas in complex engineering problems.	
2)	Ability to identify, formulate, and solve complex electrical and electronics engineering problems; ability to select and apply appropriate analysis and modeling methods for this purpose.	
3)	Ability to design a complex circuit, device or system to meet specific requirements under realistic constraints and conditions; ability to apply modern design methods for this purpose.	
4)	Ability to develop, select and use modern techniques and tools necessary for the analysis and solution of complex problems encountered in electrical and electronics engineering applications; ability to use information technologies effectively.	
5)	Ability to design, conduct experiments, collect data, analyze and interpret results for the study of complex engineering problems or electrical and electronics engineering research topics.	
6)	Ability to work effectively within and multidisciplinary teams; individual study skills.	
7)	Ability to communicate effectively orally and in writing; knowledge of at least one foreign language; ability to write effectice reports and understand written reports, to prepare design and production reports, to make effective presentations, to give and receive clear and understandable instructions.	
8)	Awareness of the necessity of lifelong learning; ability to access information, to follow developments in science and technology and to renew continuously.	
9)	To act in accordance with ethical principles, professional and ethical responsibility; information on the standards used in electrical and electronics engineering applications.	
10)	Information on business practices such as project management, risk management and change management; awareness of entrepreneurship and innovation; information about sustainable development.	
11)	Knowledge of the effects of electrical and electronics engineering practices on health, environment and safety in the universal and social scale and the problems of the era reflected in electrical and electronics engineering; awareness of the legal consequences of electrical and electronics engineering solutions.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Quizzes	8	% 100
total		**% 100**
PERCENTAGE OF SEMESTER WORK		% 100
PERCENTAGE OF FINAL WORK		%
total		**% 100**

Workload and ECTS Credit Calculation

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Study Hours Out of Class	17	0			0
Quizzes	8	0			0
Total Workload					**0**