

Year

Department of Electronics and Automation / Department of Electronics and Automation /						
Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
KNT114	OCCUPATIONAL HEALTH AND SAFETY	2.00	0.00	0.00	2.00	3.00
Course Detail						
Course Language	: Turkish					
Qualification Degree	: PreBachelor					
Course Type	: Optional					
Preconditions	: Not					
Objectives of the Course	: The aim of this course is to inform the basic occupational health and safety and to gain awareness.					
Course Contents	: Historical development of OHS, Labor legislation, Workplace Risk Factors, Occupational Accidents and Occupational Diseases, Ergonomics, Emergency Planning, Fire, Importance of First Aid, Health and Safety Signs, Risk Assessment.					
Recommended or Required Reading	: 1) Baybora, D. (2019). İş sağlığı ve güvenliği. Anadolu Üniversitesi. 2) Gürbulak, B., & Gürbulak, B. B. (2025). İş sağlığı ve güvenliği-II: Temel eğitim. Atatürk Üniversitesi Yayınevi. 3) Güler, M. (2019). İş sağlığı ve güvenliği. İstanbul Üniversitesi. 4) Kadioğlu, M. (2025). Acil durum ve afet yönetimine giriş. Atatürk Üniversitesi Yayınevi. 5)Güneş, İ. (2016). Uyarı işaretleri ve etiketleme. İstanbul Üniversitesi.					
Planned Learning Activities and Teaching Methods	: Description Method, Question-Answer Technique, Brainstorming Technique					
Recommended Optional Programme Components	:					
Course Instructors	: Öğr. Gör. Dr. Yunus Kara					
Instructor's Assistants	:					
Presentation Of Course	: Face to face					
Update Date	: 2/6/2026 9:31:51 AM					
Dosya İndirilme Tarihi	: 2/6/2026					

Course Outcomes	
Upon the completion of this course a student :	
1	Students will be able to analyze the historical development, basic concepts and related national legislation in the field of occupational health and safety and explain the legal rights and responsibilities of employees in a comprehensive manner.
2	Students will be able to define the physical, chemical, biological and psycho-social risk factors encountered in the working environment and ergonomics principles on a scientific basis and explain the methods for evaluating these risks.
3	Examine the mechanisms, consequences and preventive approaches of occupational accidents and occupational diseases.
4	Within the scope of emergency management, to be able to plan effectively against various hazards, especially fire and explosion risks, explain intervention strategies and basic first aid practices.
5	Demonstrate knowledge and skills in the selection and use of personal protective equipment and the management of hazardous materials, labeling and interpretation of safety signs.
6	Can contribute to the development of effective risk management in line with the risk assessment processes and findings obtained in workplaces.

Pre / Side Conditions							
Course Code	Course Name	Condition	Teorical	Practice	Laboratory	Credits	ECTS

Weekly Contents						
	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods	Course Learning Outcomes
1.Week	*Historical development of occupational health and safety and general definitions and rules.			*Baybora, D. (2019). İş sağlığı ve güvenliği. Anadolu Üniversitesi. Page 2-21	*Description Method, Question-Answer Technique, Brainstorming Technique	
2.Week	*Information about the labor legislation. Legal rights and responsibilities of employees.			*Baybora, D. (2019). İş sağlığı ve güvenliği. Anadolu Üniversitesi. Page 58-89	*Description Method, Question-Answer Technique, Brainstorming Technique	
3.Week	*Physical Risk Factors. Chemical Risk Factors.			*Gürbulak, B., & Gürbulak, B. B. (2025). İş sağlığı ve güvenliği-II: Temel eğitim. Atatürk Üniversitesi Yayınevi. Page 194-223	*Description Method, Question-Answer Technique, Brainstorming Technique.	
4.Week	*Biological Risk Factors. Psycho-social Risk factors.			*Gürbulak, B., & Gürbulak, B. B. (2025). İş sağlığı ve güvenliği-II: Temel eğitim. Atatürk Üniversitesi Yayınevi. Page 164-188	*Description Method, Question-Answer Technique, Brainstorming Technique	
5.Week	*Ergonomics			*Güler, M. (2019). İş sağlığı ve güvenliği. İstanbul Üniversitesi. Page 375-406	*Description Method, Question-Answer Technique, Brainstorming Technique	
6.Week	*Emergency Planning			*Kadioğlu, M. (2025). Acil durum ve afet yönetimine giriş. Atatürk Üniversitesi Yayınevi. Page 54-82	*Description Method, Question-Answer Technique, Brainstorming Technique	
7.Week	*Occupational Accidents			*Güler, M. (2019). İş sağlığı ve güvenliği. İstanbul Üniversitesi. Page 167-210	*Description Method, Question-Answer Technique, Brainstorming Technique	
8.Week	*Ara Sınav					
9.Week	*Occupational Diseases			*Güler, M. (2019). İş sağlığı ve güvenliği. İstanbul Üniversitesi. Page 225-263	*Description Method, Question-Answer Technique, Brainstorming Technique	
10.Week	*Personal Protective Equipment(PPE)			*Güler, M. (2019). İş sağlığı ve güvenliği. İstanbul Üniversitesi. Page 134-160	*Description Method, Question-Answer Technique, Brainstorming Technique	
11.Week	*Combustion, Fire, Explosion			*Güler, M. (2019). İş sağlığı ve güvenliği. İstanbul Üniversitesi. Page 356-374	*Description Method, Question-Answer Technique, Brainstorming Technique	
12.Week	*Importance of first aid and occupational hygiene.			*Gürbulak, B., & Gürbulak, B. B. (2025). İş sağlığı ve güvenliği-II: Temel eğitim. Atatürk Üniversitesi Yayınevi. Page 349-393	*Description Method, Question-Answer Technique, Brainstorming Technique	
13.Week	*Chemical Substances and Hazards. Labeling and Marking.			*Güler, M. (2019). İş sağlığı ve güvenliği. İstanbul Üniversitesi. Page 337-355	*Description Method, Question-Answer Technique, Brainstorming Technique	
14.Week	*Safety and Health Signs			*Güneş, İ. (2016). Uyarı işaretleri ve etiketleme. İstanbul Üniversitesi. Page 1-75	*Description Method, Question-Answer Technique, Brainstorming Technique	
15.Week	*Risk Assessment			*Güler, M. (2019). İş sağlığı ve güvenliği. İstanbul Üniversitesi. Sayfa 430-455	*Description Method, Question-Answer Technique, Brainstorming Technique	

Assesment Methods %
1 Ara Sınav : 40.000
3 Final : 60.000

ECTS Workload			
Activities	Count	Time(Hour)	Sum of Workload
Derse Katılım	14	2.00	28.00
Ara Sınav Hazırlık	1	5.00	5.00
Final Sınavı Hazırlık	1	6.00	6.00
Vize	1	1.00	1.00
Final	1	1.00	1.00
Ders Öncesi Bireysel Çalışma	14	1.00	14.00
Ders Sonrası Bireysel Çalışma	14	1.00	14.00
Tartışmalı Ders	5	1.00	5.00
Gösterim	3	1.00	3.00
Total :			77.00
Sum of Workload / 30 (Hour) :			3
ECTS :			3.00

Program And OutcomeRelation														
	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.O.11	P.O.12	P.O.13	P.O.14
	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14
L.O. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avarage	0.17	0.83	0.33	0.17	0.17	0.17	0.17	0.33	0.17	0	0	0.17	0	0

Ders/Program Çıktıları İlişkisi														
P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	
1	5	2	1	1	1	1	2	1	0	0	1	0	0	

BEWARE OF PLAGIARISM! Please pay attention to proper academic citation rules and avoid plagiarism, an unethical and academically fraudulent behavior, when completing reports, assignments, or other academic works, and it is treated with the same disciplinary action as cheating in a classroom setting. It is imperative to refrain from presenting another person s ideas, language, expressions, or any other form of intellectual property as your own. Regardless of quality, your assignments/projects/research should reflect your original work. Perfection is not a requirement, and in case of any uncertainties regarding academic writing guidelines, you may seek clarification from your course instructor.

Engel Durumu/Uyarılama Talebi : Engel durumuna ilişkin herhangi bir uyarılama talebinde bulunmak isteyen öğrenciler, dersin öğretim elemanı ya da Nevşehir Engelli Öğrenci Birimi ile en kısa sürede iletişime geçmelidir.