

General Info

Objectives of the Course

Understanding the importance of occupational health and safety issues.

Course Contents

Occupational Health and Safety Approach, the Industrial Revolution Before and After, our era, and today in Turkey and in the World Occupational Health and Safety, Scope of business law, Subject and Features, Business Contract, Physical Risks Not Variety, People On Effects and Protection Methods Occupational Health and Safety Management Systems, 18001 Occupational Health and Safety Management System, Chemical Risk Factors, Types, Safe Working with Chemicals, Psychosocial Risk Factors, Risky Business Conditions, Stress and Its Components, Protection, Ergonomics Objective, Scope and Objectives, Environmental Factors, Emergency Plans and Practice , Work Accidents, Classification, Reasons, Enrollment and Notification, Employee Training, Working Environment Surveillance, Health Surveillance and Occupational Diseases, Personal Protective Equipment.

Recommended or Required Reading

İSG İş Sağlığı ve Güvenliği, Yrd. Doç. Dr. Mustafa ALTIN, Doç. Dr. Şakir Taşdemir, Eğitim Yayınevi, 2. Baskı Akademisyenler Profesyoneller ve Öğrenciler için İş Sağlığı ve Güvenliği, Z. Özlem Parlak Bıçer, Nobel Akademik Yayıncılık, 1. Baskı, 2019

Planned Learning Activities and Teaching Methods

Planned Learning Activities Theoretical lectures Case (incident) analyses Group discussions Visual materials (videos, presentations) supported instruction Teaching Methods Lecturing Question and answer method Discussion Practical evaluation through real-life examples related to occupational health and safety

Dersi Veren Öğretim Elemanları

Inst. Mehmet Onur Kök

Program Outcomes

1. It has information about the health and safety of the job.
2. Explain the basic causes of work accidents.
3. Describe the basic principles of creating a safe working environment.
4. Explain legal regulations and responsibilities related to occupational health and safety.

Weekly Contents

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
1			Lecture, question and answer, discussion	Occupational Health and Safety Approach.	
2			Lecture, question and answer, discussion	Occupational Health and Safety before and after the Industrial Revolution, in our era, and today in Turkey and the around World .	
3			Lecture, question and answer, discussion	Occupational Health and Safety before and after the Industrial Revolution, in our era, and today in Turkey and the around World	
4			Lecture, question and answer, discussion	Scope of Business Law, Property and Features, Business Contract.	
5			Lecture, question and answer, discussion	Types of Physical Risk Factors, Effects on Humans and Protection Methods.	
6			Lecture, question and answer, discussion	Occupational Health and Safety Management Systems, 18001 Occupational Health and Safety Management System	
7			Lecture, question and answer, discussion	Occupational Health and Safety Management Systems, 18001 Occupational Health and Safety Management System	
8			Lecture, question and answer, discussion	Midterm	
9			Lecture, question and answer, discussion	Chemical Risk Factors, Types, Safe Working with Chemicals.	
10			Lecture, question and answer, discussion	Psychosocial Risk Factors, Risky Business Conditions, Stress and Its Components, Protection.	
11			Lecture, question and answer, discussion	Ergonomics Purpose, Scope and Objectives, Environmental Factors.	
12			Lecture, question and answer, discussion	Emergency Plans and Implementation.	
13			Lecture, question and answer, discussion	Job Accidents, Classification, Reasons, Registration and Notification, Employee Training.	
14			Lecture, question and answer, discussion	Working environment surveillance.	
15			Lecture, question and answer, discussion	Health surveillance and Occupational Diseases, Personal Protective Equipment.	

Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Teorik Ders Anlatım	14	2,00
Vize	1	1,00
Final	1	1,00
Ders Öncesi Bireysel Çalışma	10	1,00
Ara Sınav Hazırlık	1	5,00
Final Sınavı Hazırlık	1	5,00
Ders Sonrası Bireysel Çalışma	10	1,00
Derse Katılım	14	2,00
Alan Çalışması	2	1,00

Assesments

Activities	Weight (%)
Ara Sınav	40,00
Final	60,00

	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. 15
L.O. 1	5					5		5	5	5				5	
L.O. 2	5					5		5	5	5				5	
L.O. 3	5					5		5	5	5				5	
L.O. 4	5					5		5	5	5				5	

Table :

- P.O. 1 :** Matematik, fen ve mühendislik bilgilerini uygulama becerisini kazandırmak.
- P.O. 2 :** Mühendislik problemlerini tanımlama, modelleme, formüle etme ve çözme yeteneğini artırmak.
- P.O. 3 :** İstenenleri sağlayacak biçimde bir sistemi ya da süreci tasarlamak.
- P.O. 4 :** Bireysel ve/veya grup içerisinde çalışabilme becerisi kazandırmak.
- P.O. 5 :** Disiplinler arası takımlarda çalışabilme öğretisini benimsetmek.
- P.O. 6 :** Mesleki ve etik sorumluluk bilincinin önemini kanıtlamak.
- P.O. 7 :** Etkin iletişim kurma becerisini geliştirmek.
- P.O. 8 :** Mühendislik çözümlerinin, evrensel ve toplumsal boyutlarda oluşturacağı etkilerin duyarlılığını benimsetmek.
- P.O. 9 :** Yeniliklere ve gelişen teknolojiye uyum sağlayabilmek için, kendini sürekli yenileme ve araştırmacı yeteneğini geliştirmek.
- P.O. 10 :** Deney tasarlama, deney yapma, deney sonuçlarını analiz etme ve yorumlama yeteneğini katmak.
- P.O. 11 :** Mühendislik uygulamaları için gerekli olan teknikleri, yöntemleri ve modern araçları kullanma becerisini artırmak
- P.O. 12 :** Kalite ve çevre bilincinin önemini ortaya koymak.
- P.O. 13 :** Çağın sorunları hakkında bilgi sahibi olmak.
- P.O. 14 :** Girişimcilik becerisini artırmak.
- P.O. 15 :** Yöneticilik becerisini artırmak.
- L.O. 1 :** İş sağlığı ve güvenliğinin önemi hakkında bilgi sahibi olur.
- L.O. 2 :** Temel iş kazası nedenlerini açıklar.
- L.O. 3 :** İşyerinde güvenli çalışma ortamı oluşturmanın temel ilkelerini açıklar.
- L.O. 4 :** Yasal mevzuat ve iş sağlığı güvenliği ile ilgili sorumlulukları açıklar.