Course Syllabus

Code - Course Title	**ECZ121 - Basic Laboratory Knowledge**
Course Type	I. SEMESTER
Laboratory + Practice	1+0
ECTS	**1.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DOÇ. DR. BELGİN SEVER, DOÇ. DR. BEGÜM NURPELİN SAĞLIK ÖZKAN

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Recommended Resources	Laboratuvarda Güvenli Çalışma, Doç. Dr. Ayhan Yılmaz, Hacettepe Üniversitesi Yayınları, Ankara, 2004. (ISBN: 975-491-170-3)
Work Placement	Not applicable.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		General Laboratory Rules	
Week - 2		Glass, Porcelain and Plastic Materials Used in the Laboratory	
Week - 3		Electrical Instruments Used in the Laboratory.	
Week - 4		Heating and Cooling Techniques Used in the Laboratory	
Week - 5		Labeling of Chemicals	
Week - 6		Classification of Chemicals	
Week - 7		Storage of Chemicals	
Week - 8		Ensuring Awareness of the Harmful Effects of Chemicals	
Week - 9		Ensuring Laboratory Safety	
Week - 10		First Aid Principles in the Laboratory	
Week - 11		Ensuring Waste Management in the Laboratory	
Week - 12		Ensuring Fire Safety in the Laboratory	
Week - 13		Emergency Management in the Laboratory	
Week - 14		Emergency Management in the Laboratory	

Learning Outcomes

#	Learning Outcome
1	Be able to evaluate laboratory conditions.
2	Explain Working Conditions in the Laboratory
3	Be able to explain glass materials.
4	Explain porcelain materials.
5	Explain plastic materials.
6	Explain electrical appliances.
7	Explain the heating techniques used in the laboratory.
8	Explain the Cooling Techniques Used in the Laboratory.
9	Explain the labeling of chemicals.
10	Explain the classification of chemicals.
11	Explain the storage of chemicals.
12	It will be able to provide awareness of the harmful effects of chemicals.
13	Be able to ensure laboratory safety.
14	Explain the principles of first aid in the laboratory.
15	Be able to provide waste management in the laboratory.
16	Be able to provide fire management in the laboratory.
17	Explain emergency management in the laboratory.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.