Course Syllabus

Code - Course Title	**FKG539 - Laboratory Biosafety**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. GÖKALP İŞCAN

Mode of Delivery	face to face or online class
Prerequisites	There is no prerequisite or co-requisite for this course.
Recommended Resources	1. Başutsaoğlu, A., Güney, M., Klinik Mikrobiyoloji Laboratuvarında Biyogüvenlik, Sim matbaacılık, 2012.2. Ulusal Mikrobiyoloji Standartları, Laboratuvar güvenliği rehberi, Sağlık Bakanlığı, Ankara, 2014.3. Hakan Tekdere, Bedriye KTZ, Selcen Babaoglu AYDAS, Laboratuvar Tekniker Adaylarının Biyogüvenlik Konusunda Eğitim ihtiyaçlarının Analizi, Fırat Sağlık Hizmetleri Dergisi, Cilt:5, Sayı:15 (2010).4. İsmail Ceyhan, Biyogüvenlik Laboratuvar Seviyeleri ve Biyogüvenlik Kabinlerinin Seçimi Kullanımı ve Bakımı, 4. Ulusal Sterilizasyon Dezenfeksiyon Kongresi – 2005.5. World Health Organization. Laboratory Biosafety Manual. – 3rd ed. ISBN 92 4 154650 6, 2004.6. Biosafety in Microbiological and Biomedical Laboratories, U.S. Department of Health and Human Services, HHS Publication No. (CDC), 2009.
Work Placement	Not Applicable

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction	
Week - 2		Biosafety Legislation	
Week - 3		Risk assessment in the laboratory	
Week - 4		Biosafety level-1 and requirements	
Week - 5		Biosafety level-2 and requirements	
Week - 6		Biosafety level-3, -4 and requirements	
Week - 7		Laboratory Design	
Week - 8		Biological Hazards	
Week - 9		Biological Hazards	
Week - 10		Personal Protective Equipment and BSC	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 11		Decontamination	
Week - 12		Waste management	
Week - 13		Emergencies and accidents	
Week - 14		Hazard Communication	

Learning Outcomes

#	Learning Outcome
1	Recognize the Concept of Biosafety and its Importance in Laboratories
2	Recognize Protection of Workers from Biological Risk Factors, Symbols and Warnings Used in Laboratory Safety.
3	Explaining Biosafety Legislation in our Country
4	Discussing the requirements of high-level biosafety laboratories
5	Explain the elements of biological hazards
6	Design a laboratory where studies involving biological hazards can be carried out.
7	Evaluate what to do in an emergency or on an accident
8	Explain decontamination methods
9	Using hazard communication symbols

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.