Course Syllabus

Code - Course Title	**FTM502 - Methods for Determining Antimicrobial Activity**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. YAĞMUR TUNALI

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recomended optional programme component for the students to take this course.
Recommended Resources	BROCK BIOLOGY OF MICROORGANISMS, Twelfth Edition, Madigan, M.T., Martinko, J.M., Dunlap, P.V., Clark, D.P., 2009, Pearson Education Inc., USA.
Work Placement	No

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction Microorganism and microbiology	
Week - 2		Prokaryotic structure and fonction	
Week - 3		Prokaryotic structure and fonction	
Week - 4		Eukaryotic structure and fonction	
Week - 5		Microbial nutrition	
Week - 6		Effect of factor on microbial growth	
Week - 7		Measurement of Growth	
Week - 8		Control of Microorganisms by Physical and Chemical Agents	
Week - 9		Microbial metabolism	
Week - 10		Microbial metabolism	
Week - 11		Microbial genetic	
Week - 12		Bacteria	
Week - 13		Eukaryotic microorganisms	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Viruses	

Learning Outcomes

#	Learning Outcome
1	Explain the history of microbiology.
2	Explain the classification and characteristics of microorganisms.
3	Compare the anatomy and physiology of procaryotic and eucaryotic cells.
4	Define the nutritions and nutrition types of microorganisms.
5	Explain the growth and control of microbial populations.
6	Explain microbial metabolism.
7	Explain microbial genetic.
8	Discuss the microbial world except bacteria.
9	Identify the microbial diseases.
10	Explain the principles of sterilization and desenfection.
11	Discuss the bacterial relationships in the different environments.

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.