Course Syllabus

Code - Course Title	**FKM522 - Spectroscopic Methods**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. LEYLA YURTTAŞ

Mode of Delivery	Face to face learning
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component.
Recommended Resources	There is no recommended or required reading.
Work Placement	Not Applicable.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to Spectroscopy	
Week - 2		Ultraviyolet (UV)-Visible Spectroscopy	
Week - 3		UV-Visible Spectroscopy	
Week - 4		Infrared (IR) Spektroskopisi	
Week - 5		IR Spectroscopy	
Week - 6		1H Nuclear Magnetic Resonance (NMR) Spectroscopy	
Week - 7		1H NMR Spectroscopy	
Week - 8		13C NMR Spectroscopy	
Week - 9		13C NMR Spectroscopy	
Week - 10		2D NMR Spectroscopy	
Week - 11		Mass Spectroscopy	
Week - 12		Mass Spectroscopy	
Week - 13		Mass Spectroscopy	
Week - 14		Other Spectroscopic Methods	

Learning Outcomes

#	Learning Outcome
1	Will be able to relate the structure of drug molecules and UV spectra.
2	Will be able to analyze functional groups on drug molecules with IR spectra.
3	Will be able to analyze functional groups on drug molecules by NMR.
4	Will be able to analyze the structure and functional groups of the drug molecule with Mass spectra.
5	Will be able to simulate the configuration of the drug molecule with the help of spectral data.

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.