Course Syllabus

Code - Course Title	**FBT621 - Active Ingredients of Medicinal Plants and Bioactivities I**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. YAVUZ BÜLENT KÖSE

Mode of Delivery	Face to face
Prerequisites	There is no prerequisites and co-requisites
Courses Recomended	XXX3817 Active Ingredients of Medicinal Plants and Bioactivities II
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Biosynthetic pathways in plants, homogeneous and heterogeneous polysaccharides, herbal sources	
Week - 2		Lipid and lectin containing important medicinal plants and their usage and bioactivities.	
Week - 3		Cyanogenic glycoside, betalain and glucosinolate containing important medicinal plants and their usage and bioactivities.	
Week - 4		Enzyme containing important medicinal plants and their usage and bioactivities.	
Week - 5		Shikimic acid biosynthetic pathway, Phenolic secondary metabolites	
Week - 6		Simple phenol, phenolic acid containing important medicinal plants and their usage and bioactivities.	
Week - 7		Phenylethanoid containing important medicinal plants and their usage and bioactivities.	
Week - 8		Lignan containing important medicinal plants and their usage and bioactivities.	
Week - 9		Coumarine containing important medicinal plants and their usage and bioactivities.	
Week - 10		Anthocyanin containing important medicinal plants and their usage and bioactivities.	
Week - 11		Flavonoid containing important medicinal plants and their usage and bioactivities.	
Week - 12		Flavonoid containing important medicinal plants and their usage and bioactivities.	
Week - 13		Quinone containing important medicinal plants and their usage and bioactivities.	
Week - 14		Tannin containing important medicinal plants and their usage and bioactivities.	

Learning Outcomes

#	Learning Outcome
1	Classify the medicinal plants according to their active ingredients
2	Interpret the relation between active gradients and biological activities of medicinal plants

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.