Course Syllabus

Code - Course Title	**FBT622 - Active Ingredients of Medicinal Plants and Bioactivities II**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DOÇ. DR. İLHAM ERÖZ POYRAZ

Mode of Delivery	Face to Face
Prerequisites	There is no prerequisites and co-requisites
Courses Recomended	XXX3816-Active Ingredients of Medicinal Plants and Bioactivities I
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic metabolic process in plants, Acetate-mevalonate biosynthetic pathway, Terpenoids and Steroids	
Week - 2		Monoterpenes and sesquiterpenes	
Week - 3		Essential oils, essential oil containing important medicinal plants, their usage and biological activities.	
Week - 4		Essential oil containing important medicinal plants, their usage and biological activities.	
Week - 5		Essential oil containing important medicinal plants, their usage and biological activities.	
Week - 6		Essential oil containing important medicinal plants, their usage and biological activities.	
Week - 7		Iridoid containing important medicinal plants, their usage and biological activities.	
Week - 8		Diterpene containing important medicinal plants, their usage and biological activities.	
Week - 9		Triterpenic and steroidal saponin containing important medicinal plants, their usage and biological activities.	
Week - 10		Carotenoid and other terpenic compound containing important medicinal plants, their usage and biological activities.	
Week - 11		Cardiotonic glycoside containing important medicinal plants, their usage and biological activities.	
Week - 12		Alkaloid containing important medicinal plants, their usage and biological activities.	
Week - 13		Alkaloid containing important medicinal plants, their usage and biological activities.	
Week - 14		Alkaloid containing important medicinal plants, their usage and biological activities.	

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

✓ Health and Quality of Life ✓ Quality Education

Course Theme

✓ Health Sciences and Medical Technologies

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.