Course Syllabus

Code - Course Title	**ECZ389 - Pharmacognosy and Phytopharmacy I**
Course Type	V. SEMESTER
Laboratory + Practice	3+1
ECTS	**4.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. FATMA ZERRİN SALTAN, PROF. DR. BETÜL DEMİRCİ

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 recommended optional programme component for this course.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Phytochemical (active) substances: alkaloids-herbal drugs. / General Alkaloid Identification Reactions, Xanthine Derivatives Identification, Tropane Alkaloids Identification	
Week - 2		Will be able to explain phytochemical (active) substances: alkaloids-drugs. /Isolation of Caffeine from Theae folium	
Week - 3		Will be able to explain phytochemical (active) substances: Organic acids, alcohols, esters, fixed oils, waxes, sterits-drugs. / Determination of Fixed Oil Quantity, Some Experiments on Fixed Oils	
Week - 4		Will be able to explain phytochemical (active) substances: Organic acids, alcohols, esters, fixed oils, waxes, sterits-drugs. / Determination of Acidity, Peroxide, Saponification and Ester Indexs.	
Week - 5		The herbal drugs related to parasympathetic nervous system. / Pharmacognostical Investigation of a herbal Drug Related to the Parasympathetic System	
Week - 6		The herbal drugs related to parasympathetic nervous system. / Pharmacognostical Investigation of a herbal Drug Related to the Parasympathetic System	
Week - 7		The herbal drugs related to sympathetic nervous system. / Pharmacognostical Investigation of a herbal Drug Related to the sympathetic System	
Week - 8		The herbal drugs related to sympathetic nervous system. / Pharmacognostical Investigation of a herbal Drug Related to the sympathetic System	
Week - 9		The herbal drugs related to cardiovascular system. / Obtaining Pectin from Lemon Peels	
Week - 10		The herbal drugs related to cardiovascular system. / Pharmacognostical Investigation of a herbal Drug Related to the cardiovascular System	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 11		The herbal drugs related to cardiovascular system. / Pharmacognostical Investigation of a herbal Drug Related to the cardiovascular System	
Week - 12		The herbal drugs related to urinary system. / Pharmacognostical Investigation of a herbal Drug Related to the urinary system.	
Week - 13		The herbal drugs related to urinary system. / Pharmacognostical Investigation of a herbal Drug Related to the urinary system.	
Week - 14		Drugs related to the urinary system / Pharmacognostical Examination of a Drug Related to the Urinary System	

Learning Outcomes

#	Learning Outcome
1	Will be able to evaluate phytochemical (active) substances: alkaloids and their herbal drugs.
2	Will be able to explain phytochemical (active) substances: Organic acids, alcohols, esters, fixed oils, waxes, sterits and their herbal drugs.
3	Will be able to explain the herbal drugs related to parasympathetic nervous system.
4	Will be able to evaluate the herbal drugs related to sympathetic nervous system.
5	Will be able to explain the herbal drugs related to cardiovascular system.
6	Will be able to explain the herbal drugs related to urinary system.
7	Will be able to evaluate the alkaloids and their herbal drugs.
8	Will be able to explain organic acids, alcohols, esters, fixed oils, waxes, sterits and their herbal drugs.
9	Will be able to evaluate the quality control of a selected drug.

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

AKTS Workload

Activity	Duration (Hour)	Count	Workload
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.