Course Syllabus

Code - Course Title	**ECZ390 - Pharmacognosy and Phytopharmacy II**
Course Type	VI. SEMESTER
Laboratory + Practice	3+1
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. NİLGÜN ÖZTÜRK, PROF. DR. MİNE KÜRKÇÜOĞLU

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: Essential oils, Resin-Herbal drugs / Analysis of Essential Oils by Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS), Determination of Foreign Matter, Determination of total Ash of herbal drugs	
Week - 2		Phytochemical (active) substances: Essential oils, Resin-Herbal drugs / Water Quantity Determination (Volumetric Method), Volumetric Essential Oil Quantity, Examination of Essential Oil with TLC	
Week - 3		Phytochemical (active) substances: Isoprenoids- Herbal drugs / Physicochemical Investigation of Essential Oil, Relative Density , Refractive Index, Optical Rotation	
Week - 4		Phytochemical (active) substances: Isoprenoids- Herbal drugs / Pharmacognostical Investigation of Essential Oil	
Week - 5		Analgesic and Anti-inflammatory Herbal Drugs / Pharmacognostical Investigation of a herbal Drug with Analgesic and Anti-inflammatory Effects	
Week - 6		Antidepressant effective Herbal Drugs / Pharmacognostical Investigation of an Antidepressant Herbal Drug	
Week - 7		Hallucinogenic Herbal Drugs / Diagnostic Reactions of Cannabis	
Week - 8		Central Nervous System Stimulants / Pharmacopoeia analysis of a Central Nervous System Stimulant Herbal Drug	
Week - 9		Herbal Drugs Used in the Treatment of Dementia and Alzheimer's Disease / Investigation of a Herbal Preparation Used in the Treatment of Dementia and Alzheimer's Disease	
Week - 10		Herbal Drugs with Muscle Relaxant Activity / Pharmacognostical Investigation of a Herbal Drug with Muscle Relaxant Activity	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 11		Herbal Drugs with Sedative and Anxiolytic Effects / Pharmacognostical Investigation of a Herbal Drug with Sedative and Anxiolytic Effects	
Week - 12		Herbal Drugs Used in the Treatment of Parkinson's Disease and Other Movement Disorders / Pharmacognostical Investigation of a Herbal Drug Used in the Treatment of Parkinson's Disease and Other Movement Disorders	
Week - 13		Herbal Drugs That Help You Lose Weight / General Evaluation and Remedial Laboratory	
Week - 14		Herbal Drugs That Help You Lose Weight / General Evaluation and Remedy Laboratory	

Learning Outcomes

#	Learning Outcome
1	Will be able to evaluate the Essential Oils, Resins, Terpenes and herbal drugs.
2	Will be able to evaluate the Analgesic and Anti-inflammatory Herbal Drugs
3	Will be able to evaluate the Antidepressant effective Herbal Drugs
4	Will be able to evaluate Hallucinogenic Herbal Drugs
5	Will be able to evaluate Central Nervous System Stimulants
6	Will be able to evaluate Herbal Drugs Used in the Treatment of Dementia and Alzheimer's Disease
7	Will be able to evaluate the Herbal Drugs with Muscle Relaxant Activity
8	Will be able to evaluate the Sedative and Anxiolytic Effects Herbal Drugs
9	Will be able to evaluate Herbal Drugs Used in the Treatment of Parkinson's Disease and Other Movement Disorders.
10	Will be able to evaluate Herbal Drugs That Help You Lose Weight
11	Will be able to evaluate the Essential Oils, Resins, Terpenes and herbal drugs.
12	Will be able to evaluate the examination and quality control of a selected drug.
13	Will be able to evaluate the Quality control of a selected herbal product.

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

AKTS Workload

Activity	Duration (Hour)	Count	Workload
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.