Course Syllabus

Code - Course Title	**ECZ384 - Pharmaceutical and Medicinal Chemistry II**
Course Type	VI. SEMESTER
Laboratory + Practice	3+2
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. AHMET ÖZDEMİR, PROF. DR. MEHLİKA DİLEK ALTINTOP

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		Heterocyclic Chemistry and General Synthesis Methods for Central Nervous System Drugs Qualitative Analysis Application I	
Week - 2		Heterocyclic Chemistry and General Synthesis Methods for Central Nervous System Drugs Qualitative Analysis Application II	
Week - 3		Heterocyclic Chemistry and General Synthesis Methods for Central Nervous System Drugs Quantitative Analysis Application I	
Week - 4		Heterocyclic Chemistry and General Synthesis Methods for Central Nervous System Drugs Quantitative Analysis Application II	
Week - 5		Module I Exam	
Week - 6		Non-steroidal anti-inflammatory drugs Qualitative Analysis Application III	
Week - 7		Non-steroidal anti-inflammatory drugs Opioid analgesics and antagonists Qualitative Analysis Application IV	
Week - 8		Medications Used in Mood Disorders Qualitative Analysis Application V	
Week - 9		Drugs Used in the Treatment of Psychotic Disorders Qualitative Analysis Application VI	
Week - 10		Drugs used in the treatment of dementia and Alzheimer's disease Central Nervous System stimulants and weight-loss drugs Quantitative Analysis Application III	
Week - 11		Hypnosedative and Anxiolytic Drugs Quantitative Analysis Application IV	
Week - 12		General and Local Anesthetics Striated Muscle Relaxants Quantitative Analysis Application V	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Drugs Used in the Treatment of Epilepsy Quantitative Analysis Application VI	
Week - 14		Medications Used in the Treatment of Parkinson's Disease and Other Movement Disorders General Assessment and Remediation Laboratory	

Learning Outcomes

#	Learning Outcome
1	Explain General Anesthetics.
2	Explain local anesthetics.
3	Explain Sedative and Hypnotic Drugs.
4	Explain Tranquilizing Drugs.
5	Explain the drugs used in neuroleptic drugs.
6	Explain Antidepressant and Antimanic Drugs.
7	Explain antiepileptic drugs.
8	Explain centrally acting muscle relaxants.
9	Explain analeptic drugs.
10	Explain psychomimetic drugs.
11	Explain Narcotic Analgesics.
12	Explain Narcotic Antagonists.
13	Explain Nonsteroidal Anti-inflammatory Drugs.
14	Explain the drugs used in the treatment of Alzheimer's disease.
15	Explain antiparkinsonian drugs.
16	Be able to perform IR Spectroscopy applications.
17	Be able to perform 1H NMR Spectroscopy applications.
18	Be able to perform mass spectroscopy applications.
19	Be able to determine physical properties.
20	Be able to determine chemical properties.
21	Be able to perform functional group analyses.
22	Be Able to Perform Special Diagnostic Reactions.
23	Be able to perform titration methods.

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.