

COURSE INFORMATION FORM	
Faculty / Institute	Faculty of Science and Literature
Department	Psychology
Course Code	PSİ 440
Course title	Psychopharmacology
Instructional Language	Turkish
Programs that can take the course	Psychology
Course Type	Elective
Course Level	Undergraduate
ECTS Credit	6
Prerequisites	PSİ 103 – Introduction to Psychology I
Course Content	Transmitters and their regulation in the central nervous system, drugs used in the treatment of psychological disorders and research methods in psychopharmacology.
The Aim of the Course	To introduce psychology as an interdisciplinary science and its interaction with biology. To gain the ability to recognize the roles of chemical transmitters in the human mind and to determine their effects in psychological disorders. To teach the effects of drugs used in psychological disorders.
Course Outcomes	At the end of this course, students recognize the basic principles of pharmacology and psychopharmacology. Knows the relationship between the central nervous system and psychopharmacological treatment. Recognizes and distinguishes drugs used in various psychopathologies and the effects of these drugs.
Textbook and / or References	Mayer, J. S., & Quenzer, L. F. (2019). <i>Psychopharmacology: Drugs, the brain, and behavior</i> (3rd ed.). Oxford University Press

Evaluation Criteria	Percentage
Attendance	-
Lab	-
Application	-
Field Study	-
Homework	30%
Presentations	-
Projects	-
Seminar	-
Midterm Exams	20%

Quiz	-
Final	50%
Total	100%

Course Plan	Subjects to Be Discussed
1. Week	Why Psychopharmacology? - Basic Principles of Pharmacology
2. Week	Structure and Functions of the Central Nervous System
3. Week	Transmission in the Central Nervous System
4. Week	Transmitters in the Central Nervous System: Catecholamines & Serotonin
5. Week	Transmitters in the Central Nervous System: Glutamate and GABA and Other Transmitters
6. Week	Transmitters in the Central Nervous System: Glutamate and GABA and Other Transmitters
7. Week	Drugs Used in the Treatment of Anxiety Disorders
8. Week	Drugs Used in the Treatment of Schizophrenia and Other Psychotic Disorders
9. Week	Drugs Used in the Treatment of Depressive Disorders
10. Week	Drugs Used in the Treatment of Neurodegenerative Disorders
11. Week	Drugs Used in Addiction Treatment and Treatment of Attention Deficit Hyperactivity Disorder
12. Week	Research Methods in Psychopharmacology + Discussion of Homeworks