



## Course Syllabus

<b>Course Code</b>	<b>Course Title</b>	<b>ECTS Credits</b>
PSYC-530	Psychopharmacology	7.5
<b>Prerequisites</b>	<b>Department</b>	<b>Semester</b>
None	Social Sciences	Fall
<b>Type of Course</b>	<b>Field</b>	<b>Language of Instruction</b>
Required	Clinical Psychology	English
<b>Level of Course</b>	<b>Lecturer(s)</b>	<b>Year of Study</b>
2 <sup>nd</sup> Cycle	Maria Joannou	1 <sup>st</sup>
<b>Mode of Delivery</b>	<b>Work Placement</b>	<b>Corequisites</b>
Face-to-face	N/A	None

### Course Objectives:

The main objectives of the course are to:

- review the basic principles of psychopharmacology
- examine the basic neuroanatomy and structure of a neuron
- apply the basic principles of neural communication to the field of psychopharmacology with emphasis on the major drug families used for the treatment of common psychiatric disorders

### Learning Outcomes:

After completion of the course students are expected to be able to:

1. Discuss the basic anatomy of the nervous system and how it functions
2. Extrapolate neurotransmitters are acting at the level of the synapse
3. Analyze the basic principles of pharmacokinetics and pharmacodynamics
4. Evaluate the types of studies that are conducted in order for drugs to be developed and eventually marketed
5. Evaluate the specifics of children and the elderly in terms of drug actions
6. Criticize the methodological flaws in pharmaceutical research and discuss off-label use of drugs
7. Distinguish among the various types of neurotransmitters
8. Analyze the types of drugs that are used to treat the major psychiatric disorders such as depression, anxiety, eating, sleep disorders etc

**Course Content:**

1. Introduction to Psychopharmacology
2. Methods of Drug Administration
3. Pharmacokinetics - Pharmacodynamics
4. Basic Neuroanatomy – neuronal structure
5. Special populations in psychopharmacology
6. Disorders of Depression
7. Anxiety Disorders
8. Psychoses and Substance-Related Disorders
9. Eating Disorders
10. Sleep Disorders
11. ADHD and Autism
12. Alzheimer's and Parkinson's Diseases
13. Analgesic Drugs

**Learning Activities and Teaching Methods:**

Lectures and Assignment, Presentations

**Assessment Methods:**

Exam I, final exam, assignment, presentations

**Required Textbooks / Readings:**

Title	Author(s)	Publisher	Year	ISBN
A Primer Of Drug Action: A Comprehensive Guide To The Actions.	Julien, R. M., C. D. Advokat, and J. E. Comaty.	Uses, And Side Effects Of Psychoactive Drugs.: Worth Publishers	2010	9781429206792
Fundamentals of psychopharmacology	Leonard, B. E.	John Wiley & Sons	2003	9780471521785

**Recommended Textbooks / Readings:**

<b>Title</b>	<b>Author(s)</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
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