



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Applied Psychopharmacology							
Course Code		HRS623		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	97 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Groups and mechanisms of action of drugs used in psychopharmacology will be defined.							
Course Content		Psychopharmacology is the scientific study the effects drugs have on mood, sensation, thinking, and behavior. It is distinguished from neuropsychopharmacology, which emphasizes drug-induced changes in the functioning of cells in the nervous system							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji
2	Goodman and Gilman's: The Pharmacological Basis of Therapeutics
3	Katzung ?Trevor's Pharmacology; examination & board review

Week	Weekly Detailed Course Contents	
1	Theoretical	Membrane and action potential in excitable cells
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
2	Theoretical	Axonal conduction, stimulation-secretion in synapses
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
3	Theoretical	neurotransmitters, receptors, and second messengers
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
4	Theoretical	Characteristics of autonomic and CNS drugs
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
5	Theoretical	Hypnotosedatives drugs-I: General characteristics and Benzodiazepines
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
6	Theoretical	Hypnotosedatives drugs-II: Barbiturates
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
7	Theoretical	Alcohols
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
8	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
	Intermediate Exam	Midterm exam



9	Theoretical	The neuroleptic drugs
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
10	Theoretical	The antidepressant drugs
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
11	Theoretical	The antimanic drugs
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
12	Theoretical	The antiepileptic drugs
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
13	Theoretical	The antiparkinson drugs
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
14	Theoretical	Opioid analgesic drugs
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
15	Theoretical	Assesment
	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
16	Preparation Work	Prof.Dr. S. Oğuz Kayaalp: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji Goodman and Gilman's: The Pharmacological Basis of Therapeutics Katzung ?Trevor's Pharmacology; examination & board review
	Final Exam	FINAL EXAM

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	3	2	65
Midterm Examination	1	15	1	16
Final Examination	1	15	1	16
Total Workload (Hours)				97
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	(Identify categories of psychopharmacological agents)
2	Understand the mechanism of effect of psychopharmacological agents
3	Learn the pharmacokinetics and pharmacodynamics properties of psychopharmacological agents
4	To compare the safety of drugs in this group
5	to learn the side effects of drugs

Programme Outcomes (Mental Health and Psychiatric Nursing Doctorate)

1	Student has the current teorical and practical knowledge in master's degree in Psychiatric Nursing field based on his previous learning in bachelor's degree, student realises the knowledge, deepens and uses it.
2	Student shares and discusses his/her knowledge, current developments and his/her own researches systematically with groups from or outside of his/her field in written, verbal, or visual ways
3	Student follows based on evidence practises and makes researches creating evidence about Professional application in his/her own field.
4	Student manages researches about his/her field independently or in an team.
5	Students have information on statistics, uses related softwares efficiently, chooses correct statistical methods while making researches, has the skills to calculate and comment.
6	Student can write the report of the research he/she made or participated and publishes it in an internationally accepted refereed journal or presents it in academical meetings.



7	Student can make strategy and policy in topics related to Mental Health and Disorders Nursing, comments practise plans, and evaluates obtained results in scientific and ethical frame.
8	Student makes verbal and written communication using one foreign language at least B2 level in European Language portfolio.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5

