

Syllabus: Psychopharmacology (PSYu510)

Instructor: Professor Denise Jackson
Meeting Times: M, W, & Th; 8:00-9:05 AM

Semester: Fall of 2007
Room: 309 Kariotis (KA)

COURSE DESCRIPTION:

This course examines the pharmacological impact of drugs on neuronal function with a particular emphasis on alterations in behavioral states. Related topics include fundamental principles of pharmacology, neurochemical communication, and basic physiological processes.

COURSE PREREQUISITIES:

Psychobiology (PSYu458), Neurobiology (BIOu405), Biol. Basis of Mental Illness (PSYu202), or a background in Biology

REQUIRED TEXTBOOK:

Psychopharmacology, Drugs, the Brain, and Behavior, by Jerrold S. Meyer and Linda F. Quenzer, Sinauer Associates, 2005

GRADING:

Grades will be based upon your performance on formal in-class exams and take-home quizzes.

In Class Exams: 4 exams each worth 20% of your final grade. Exams are non-cumulative and will focus on information covered between exams as designated in the syllabus below. It is anticipated that you will have a working knowledge of material you are quizzed on to answer exam questions. The questions will focus on the stated chapters so exam study time should not have to be spent reviewing quiz material.

Quizzes: You will be given take home quizzes covering material in chapters I will not be covering in class. This is information essential to the course that is worth your covering. It should be review material for you. If it is not, you should seriously reconsider taking the course (Note – If you have a high level biology background and/or find the material easy reading, ignore what I just said). The quizzes are take home and open book in nature. The goal here is to give you incentive to read the material and reward you for your effort.

The Bottom Line

Exams worth 80% of final grade
Quizzes worth 20% of final grade

Exam and Quiz questions will consist of multiple-choice questions, true or false inquiries, matching, etc.

Grades will not be scaled. There are no alternative testing formats. Makeup exams will not be given unless there is a medical emergency with doctor's verification in the form of a note on medical stationary. You will receive a 0 grade for any exams or quizzes not completed.

Grading scale:

A: 90-100 B: 80-89 pts C: 70-79 pts D: 60-69 pts F: < 60 pts
+'s and -'s additions to grades will be assigned accordingly

INSTRUCTOR INFORMATION:

Office Hrs: Mondays 9:15-10:15 AM and Thursdays 12:00-1:00 PM

Professor Jackson's Office: Room 327 in Nightingale Hall. Ask staff in the Psych office (Rm 180) to contact me or go directly to 3rd floor of NI and use phone on wall next to locked door to call me at x3860.

{This is a restricted area so do not enter without supervision}

Contact Information: Phone: 617-373-3860. E-Mail: D.Jackson@neu.edu

LECTURE SCHEDULE

DATE	TOPIC	(Chapter) Pages	
9-3 to 9-4	Fall course registration begins		
9- to 9-11	Fall course add/drop begins		
1. 9-5 W	Principles of Pharmacology (drug admin and distrib)	(1)	3-15
2. 9-6 Th	Prin Pharmacol. (basic pharmacol)	(1)	16-31
3. 9-10 M	continued	(1)	
9-11 Tu	End of Add Drop for Fall 2007 Classes		
9-12 W	Drop only begins for Fall 2007 Classes		
4. 9-12 W	Organization	(2)	47-61
9-13 Th	QUIZ #1 Struc and Function of Nervous System due 9-20	(2)	*33-61
5. 9-13 Th	continued		
6. 9-17 M	Chem Signaling	(3)	63-72
7. 9-19 W	Chem. Signaling	(3)	72-80
8. 9-20 Th	EXAM #1 Turn in Quiz #1		
9-21 F	Last Day to Drop Fall 2007 Classes Without "W" Grades		
9-21 F	Drop only ends for Fall 2007 courses		
1. 9-24 M	GABA and Glutamate	(7)	163-173
2. 9-26 W	GABA and Glutamate	(7)	173-182
3. 9-27-Th	Continued		
4. 10-1 M	Serotonin	(6)	151-160
5. 10-3 W	Continued		
10-4 Th	QUIZ #2 Methods of Research due 10-15	(4)	89-105
6. 10-4 Th	Catecholamines (syn,rel, inactive)	(5)	119-124
10-6 Sat	Neuron Meeting/See Blackboard for details/ Registration deadline Oct 2		
10-8 M	Univ Closed No Classes Columbus Day		
7. 10-10 W	Catecholamines (anatomical paths, pharmacol)	(5)	124-132
8. 10-11 Th	Continued		
9. 10-15 M	EXAM #2 Turn in Quiz #2		
1. 10-17 W	Norepinephrine System	(5)	132-137
2. 10-18 Th	Cocaine: Pharmacol and Physiol Effects	(11)	275-283
3. 10-22 M	Brain Cocaine Distribution and Abuse	(11)	283-291
4. 10-25 Th	Continued		
5. 10-29 M	Amphetamines	(11)	292-300
6. 10-31 W	Continued		

DATE	TOPIC	(Chapter)	Pages
7. 11-1 Th	Attention Deficit Hyperactivity Disorder		
11-5 M	<i>Spring 2008 Course Registration begins: (class 08 on 11-5/class 09 on 11-6/class 2010 on 11-7/class 2011 on 11-8/class 2012 on 11-9)</i>		
8. 11-5 M	Continued		
9. 11-7 W	Endocrine System	(3)	80-87
11-8 Th	QUIZ #3 Methods of Research due 11-28	(4)	105-116
10. 11-8 Th	EXAM #3		
11-12 M	<i>Univ Closed No Classes Veterans Day</i>		
1. 11-14 W	Anxiety: Characteristics	(17)	411-420
2. 11-15 Th	Anxiety:Pharmacological Treatments	(17)	420-429
11-16 F	<i>Last Day to Drop Fall 2007 Classes with "W" Grades</i>		
3. 11-19 M	Continued		
11-21 W-11-23 F	<i>No Classes Thanksgiving Recess</i>		
4. 11-26 M	Neurochemical Basis of Anxiety	(17)	430-438
11-27 Tu	<i>Summer 2008 Course Registration begins: (classes 08-09 on 11-27/class 2010 on 11-28/ class 2011 on 11-29/class 2012 on 11-30)</i>		
5. 11-28 W	Affective Disorders Turn in Quiz #3	(16)	385-401
6. 11-29 Th	Continued		
7. 12-3 M	Affective Disorders	(16)	401-408
8. 12-5 W	Continued		
12-5 W	<i>Last day of Fall 2007 Classes</i>		
12-6 Th	<i>Reading Day</i>		
9. 12-13 Th at 8AM	EXAM #4 Non Cumulative Final Exam (RoomTBA)		
12-17 M	<i>2 PM Grade Submission Deadline for Fall 2007 Courses</i>		