

Psychopharmacology (PSYU510) Syllabus

Instructor: Denise Jackson, Ph.D.
Meeting Times: M, W, & Th, 8:00-9:05 AM

Semester: Spring 2007
Room: 305 SH

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.

PREREQUISITES:

Psychobiology (PSYu458), Neurobiology (BIOu405), or Biol. Basis of Mental Illness PSYu202)

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 4 equally weighted exams. Exam questions will consist of multiple-choice questions, true and false inquiries, matching, etc. Grades will not be scaled.

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: Mon 9:15-10:15 AM and Thurs. 1-2 PM

Dr. Jackson's Office: Room 327 in Nightingale Hall {Ask staff in 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 contact me at x3860. This is a restricted facility.}

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

LECTURE SCHEDULE

DATE	TOPIC	(Chapter)	Pages
1. 1-8 M	Principles of Pharmacology (drug admin and distrib)	(1)	3-15
2. 1-10 W	Prin Pharmacol. (basic pharmacol)	(1)	16-31
3. 1-11 Th	Prin Pharmacol. (basic pharmacol)	(1)	continued
*1-12 Fr	<i>End Add Drop for Spring 2007 Classes</i>		
* 1-15 M	<i>NO CLASSES MLK Birthday</i>		
*1-16 Tu	<i>Drop only begins for Spring 2007 Classes</i>		
4. 1-17 W	Structure and Function of Nervous System (Struc)	(2)	33-40
5. 1-18 Th	Structure and Function of Nervous System (Func, Org)	(2)	40-53
6. 1-22 M	Structure and Function of Nervous System (CNS Org)	(2)	53-61
7. 1-24 W	Chem. Signalling	(3)	63-72
8. 1-25 Th	Chem. Signalling	(3)	continued
* 1-26 Fr	<i>Last Day to Drop Spring 2007 Classes Without "W" Grades</i>		
9. 1-29 M	Chem. Signalling	(3)	continued
1-31 W	EXAM #1		
1. 2-1-Th	Chem. Signalling (receptors, second mess)	(3)	72-87
2. 2-5 M	Chem. Signalling (syn tran, endocrine system)	(3)	continued
3. 2-7 W	Chem. Signalling	(3)	continued
4. 2-8 Th	Catecholamines (syn,rel, inactive)	(5)	119-124
5. 2-12 M	Catecholamines (anatom paths, pharmacol)	(5)	124-137

DATE	TOPIC	(Chapter)	Pages
6. 2-14 W	Catecholamines	(5)	continued
7. 2-15 Th	Acetylcholine (syn,rel, inactive)	(6)	139-144
* 2-19 M	<i>NO CLASSES President's Day</i>		
8. 2-21 W	Acetylcholine		continued
2-22 Th	EXAM #2		
1. 2-26 M	Acetylcholine (org, func)	(6)	144-150
2. 2-28 W	Serotonin (syn, rel, inactive)	(6)	151-159
3. 3-1 Th	Serotonin		continued
* 3-3 Sat	<i>SPRING BREAK STARTS</i>		
* 3-11 Sun	<i>SPRING BREAK ENDS</i>		
4. 3-12 M	Affective Disorders	(16)	385-401
5. 3-14 W	Affective Disorders	(16)	401-408
6. 3-15 Th	Affective Disorders	(16)	continued
7. 3-19 M	Schizophrenia	(18)	441-458
8. 3-21 W	Schizophrenia	(18)	458-463
9. 3- Th	Schizophrenia	(18)	continued
3-26 M	EXAM #3		
1. 3-28 W	Schizophrenia	(18)	463-467
2. 3-29 Th	Psychomotor Stimulants Cocaine (pharm, mech,beh)	(11)	275-285
* 3-30 F	<i>Last Day to Drop Spring 2007 Classes With "W" Grades</i>		
3. 4-2 M	Psychomotor Stimulants Cocaine (abuse) Amph (pharm)	(11)	286-294
* 4-2 M	<i>Registration for Fall Classes begins</i>		
4. 4-4 W	Psychomotorstimulants Amph (mech, beh) MDMA	(11)	294-300
5. 4-5 Th	Nicotine and Caffeine	(12)	303-306
6. 4-9 M	Nicotine and Caffeine	(12)	306-319
7. 4-11 W	Nicotine and Caffeine	(12)	continued
8. 4-12 Th	Nicotine and Caffeine	(12)	319-324
* 4-16 M	<i>NO CLASSES Univ. Closed Patriot's Day</i>		
9. 4-18 W	Nicotine and Caffeine	(12)	continued
4-18 W	Last day of classes		
4-19 Th	Reading Day		
4-20 F to 4-27 F	EXAM #4 during Final Exams Period		
4-30 M	9AM Grade Deadline		