

Neuropsychopharmacology [830:412:01]

Fall 2017 on Tues/Fri 10:20-11:40am
SEC 202

Instructor: Dr. Benjamin Samuels
Office: Psychology Building Room 215
Email: ben.samuels@rutgers.edu

Office Hours: Tuesdays 12-1pm (right after class); I am also always accessible by email

Textbook: Stahl's Essential Psychopharmacology: Neuroscientific Basis and Practical Application, 4th Edition, by Stephen M. Stahl

Course Description:

This course will focus on the causes and treatment of neuropsychiatric disorders including schizophrenia and mood disorders (such as depression and anxiety). More specifically, we will pay close attention to the molecular and neural circuit mechanisms underlying these disorders and how treatments affect chemical transmission and communication of information in the brain.

Sakai

This course will have a dedicated sakai website that will contain downloadable materials, this syllabus, and will be a venue for announcements to the class. Assignments will also be posted to and submitted through this site. Exam and final grades will also be posted to this site. You will also find a pdf of the textbook available on this site. If you prefer a hard copy you are free to buy one!

Grading

Your grade will consist of the following components:

Three Exams: 25% of grade each:

There will be three exams that will be a combination of multiple choice questions and short written questions. The last exam will be held during finals week but will not be cumulative. The dates of the exams are **October 3**, **November 3**, and **December 22**.

Assignments: 15% of grade:

In the last third of the course we will read a few publications from the primary literature and watch a few videos. There will be corresponding assignments that will consist of short questionnaires about these publications and/or videos. These assignments will be announced in class, will be posted on Sakai, and will be due at the start of the next class. The goal of these assignments is to prompt you to read/watch and understand the publications/videos. Late assignments will not be accepted.

Participation: 10% of grade:

This is a small 400 level course for advanced students. I will know all of your names within a few classes. Though primarily lecture based, there will be several opportunities in each class for participation. Therefore, attendance and participation are mandatory. Questions are encouraged at all times!

Makeup Exams:

All students are expected to take the exams on the day they are offered. Any student that misses an exam must provide acceptable evidence for their absence. Only one makeup exam will be offered at the end of the semester between the last class and finals week. This exam will be different than the corresponding midterm exam and will be entirely composed of written answer questions. In other words, it will be much harder! If you have athletic or religious obligations that conflict with the exams, then anticipate the interruption and let me know in advance! I will make arrangements for you to take the exam and avoid having to take the much harder makeup exam.

Class Attendance:

Attendance and participation are mandatory. If you expect to miss one or two classes, please use the University absence reporting website <https://sims.rutgers.edu/ssra/> to indicate the date and reason for your absence. An email is automatically sent to me. Keep in mind that part of your grade is based on in class participation. You need to be in class to participate!

Extra Credit:

Each exam will contain a few extra credit questions.

Student Choice Topics:

There are three classes that are designated as student's choice. On Wed, 11/22 I will suggest a few topics for these classes and will also take suggestions from the students in attendance. You will then vote in class to determine what topics we will be covering.

This is a tentative schedule for the semester. The exam dates are firm but the dates of specific topics and readings will be adjusted if necessary. I will post updated versions of the syllabus on Sakai if any changes are made.

Date	Topic	Reading
Tuesday, September 5	Introduction; What is Neuropsychopharmacology?	
Friday, September 8	Drug Targets 1	Stahl Chapters 2-3
Tuesday, September 12	Drug Targets 2	Stahl Chapters 2-3
Friday, September 15	Neurotransmitters 1	Stahl Chapter 1; Review Phys Psych Materials
Tuesday, September 19	Neurotransmitters 2	Stahl Chapter 1; Review Phys Psych Materials
Friday, September 22	Neuroanatomy and Epigenetics / History of Psychiatric Treatments	Stahl Chapter 1; To be posted on Sakai
Tuesday, September 26	Routes of Drug Administration and Dose Responses	To be posted on Sakai
Friday, September 29	Review for Exam #1	
Tuesday, October 3	EXAM #1	Covers September 5 – September 29 Classes
Friday, October 6	Schizophrenia and Psychotic Disorders 1	Stahl Chapter 4
Tuesday, October 10	Schizophrenia and Psychotic Disorders 2	Stahl Chapter 4
Friday, October 13	Antipsychotics 1	Stahl Chapter 5
Tuesday, October 17	Antipsychotics 2	Stahl Chapter 5
Friday, October 20	Depression and Antidepressants 1	Stahl Chapters 6-7
Tuesday, October 24	Depression and Antidepressants 2	Stahl Chapters 6-7
Friday, October 27	Bipolar Disorder and Mood Stabilizers	Stahl Chapter 8
Tuesday, October 31	Review for Exam #2	
Friday, November 3	EXAM #2	Covers October 6 – October 31 Classes
Tuesday, November 7	Anxiety Disorders	Stahl Chapter 9
Friday, November 10	Anxiolytics	Stahl Chapter 9
Tuesday, November 14	No class; Watch video to be posted on Sakai	
Friday, November 17	Drugs of Abuse: Hallucinogens and Dissociatives 1	To be posted on Sakai
Wednesday, November 22	Drugs of Abuse: Hallucinogens and Dissociatives 2 / Student Choice Vote	To be posted on Sakai
Tuesday, November 28	Student Choice 1	TBD
Friday, December 1	Student Choice 2	TBD
Tuesday, December 5	No class; Watch video to be posted on Sakai	
Friday, December 8	Student Choice 3	TBD
Tuesday, December 12	Review for Exam #3	
Friday, December 22	EXAM #3	Covers November 7 – December 12 Classes

Current Academic Integrity Policy

<http://academicintegrity.rutgers.edu/academic-integrity-policy/>

Violations include: cheating, fabrication, plagiarism, denying others access to information or material, and facilitating violations of academic integrity.

Cheating and Plagiarism

Short version: Don't cheat. Don't plagiarize.

Longer version: Cheating on tests or plagiarizing materials in your papers deprives you of the educational benefits of preparing these materials appropriately. It is personally dishonest to cheat on a test or to hand in a paper based on unacknowledged words or ideas that someone else originated. It is also unfair, since it gives you an undeserved advantage over your fellow students who are graded on the basis of their own work. In this class I will take cheating very seriously. All suspected cases of cheating and plagiarism will be automatically referred to the Office of Judicial Affairs, and I will recommend penalties appropriate to the gravity of the infraction. The university's policy on Academic Integrity is available at <http://academicintegrity.rutgers.edu/academic-integrity-policy>. I strongly advise you to familiarize yourself with this document, both for this class and for your other classes and future work. To help protect you, and future students, from plagiarism, we require all papers to be submitted through Turnitin.com.

Since what counts as plagiarism is not always clear, I quote the definition given in Rutgers' policy: **Plagiarism: Plagiarism is the use of another person's words, ideas, or results without giving that person appropriate credit. To avoid plagiarism, every direct quotation must be identified by quotation marks or appropriate indentation and both direct quotation and paraphrasing must be cited properly according to the accepted format for the particular discipline or as required by the instructor in a course. Some common examples of plagiarism are:**

- **Copying word for word (i.e. quoting directly) from an oral, printed, or electronic source without proper attribution.**
- **Paraphrasing without proper attribution, i.e., presenting in one's own words another person's written words or ideas as if they were one's own.**
- **Submitting a purchased or downloaded term paper or other materials to satisfy a course requirement.**
- **Incorporating into one's work graphs, drawings, photographs, diagrams, tables, spreadsheets, computer programs, or other nontextual material from other sources without proper attribution.¹**

A SPECIAL NOTE: Students often assume that because information is available on the Web it is public information, does not need to be formally referenced, and can be used without attribution. This is a mistake. *All* information and ideas that you derive from other sources, whether written, spoken, or electronic, must be attributed to their original source. Such sources include not just written or electronic materials, but people with whom you may discuss your ideas, such as your roommate, friends, or family members. They deserve credit for their contributions too!

Disability Services

(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / <https://ods.rutgers.edu/>

Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation:

¹ <http://academicintegrity.rutgers.edu/academic-integrity-policy/>

<https://ods.rutgers.edu/students/documentation-guidelines>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: <https://ods.rutgers.edu/students/registration-form>.

Inclusivity Statement

I understand that our members represent a rich variety of backgrounds and perspectives. The Psychology Department is committed to providing an atmosphere for learning that respects diversity. While working together to build this community we ask all members to:

- . share their unique experiences, values and beliefs
- . be open to the views of others
- . honor the uniqueness of their colleagues
- . appreciate the opportunity that we have to learn from each other in this community
- . value each other's opinions and communicate in a respectful manner
- . use this opportunity together to discuss ways in which we can create an inclusive environment in this course and across the Rutgers community

Just In Case Web App

<http://codu.co/cee05e>

Access helpful mental health information and resources for yourself or a friend in a mental health crisis on your smartphone or tablet and easily contact CAPS or RUPD.

Counseling, ADAP & Psychiatric Services (CAPS)

(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901 / www.rhscaps.rutgers.edu/

CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students' efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.

Violence Prevention & Victim Assistance (VPVA)

(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / www.vpva.rutgers.edu/

The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

Scarlet Listeners

(732) 247-5555 / <http://www.scarletlisteners.com/>

Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.