

Course Syllabus

Seminar in Neuroscience

BioSci 933/Psych 933

Professor: Jennifer Gutzman
Office: Lapham N515
Meeting Place: LAPHAM N101
Office hrs: By appointment only
Email: gutzman@uwm.edu

Semester: Spring 2019
Meeting Time: Fri 2:00 – 3:50 p.m.
Psych Listing: PSYCH 933-001
BioSci Listing: BIOSCI 933-001

*see schedule for details regarding Neuroscience Symposium Day, March 15th, 2019

Course Description:

This seminar course is designed to provide students with experience evaluating presentations of scientific data, research topics, and neuroscience papers in a seminar format. Students will evaluate talks by visiting scientists, allowing for numerous opportunities to learn from professional scientific presenters. There will be an external speaker approximately biweekly throughout the semester (see course schedule on Canvas). Students will also participate in a half-day mini-symposium held on campus. Students will have the opportunity to give short talks, present posters, and evaluate their peers.

**During the semester, students will choose a topic in neuroscience to be approved by Dr. Gutzman. Each student will be required to write a “News and Views” article on that topic to demonstrate a deep understanding of the research and implications of the work.

Prerequisites: graduate status in Bio Sci, Psych, Ed Psych or consent of instructor

Course Requirements:

1. Each enrolled student is required to accomplish the following tasks BEFORE each outside speaker talk:

- read the assigned empirical paper
- post one question on the Canvas discussion board
- answer one question posted on the Canvas discussion board

2. Each enrolled student is required to accomplish the following tasks AFTER each talk:

- complete the *Talk Evaluation* form
- Submit the *Talk Evaluation* form under Canvas Assignments

3. Each enrolled student is required to participate in the semester Mini-Symposium by:

(a) submitting an abstract to Dr. Gutzman (see Symposium Flyer for details, posted on Canvas)

(b) preparing and presenting a poster on his/her most recent data or experimental design

or

(c) **First year students, students who do not yet have enough data to present their own research, or students that are participating in the BioSci non-thesis Masters program, will be responsible for evaluations of abstracts, talks, and presentations before and during the symposium. We will discuss details at our mandatory first meeting. Email Dr. Gutzman directly if have additional questions.

4. Each enrolled student will be required to choose one topic similar to research from one of the semesters outside speaker presentations. The students will then be required to write a “News and Views” article in the Nature format. There will be a series of peer-review meetings to discuss your articles.

YOU MUST HAVE YOUR TOPIC APPROVED BY DR. GUTZMAN BY MARCH 1st. DO NOT WAIT UNTIL THE LAST MINUTE TO WORK ON THIS. It is a short paper...that requires a lot of reading and a lot of thinking!!

You are also all HIGHLY encouraged to read a bunch of these short articles to get a feel for what they are and how they are written.

<https://www.nature.com/nature/articles?type=news-and-views>

See instructions below adopted from Nature Materials:

- News and Views articles are always short. You are limited to 1,000 words max in length.
- Articles have as much in common with journalistic news reports as the formal scientific literature. So the central message of the News and Views must be stated clearly in the first paragraph and the piece should be written in a manner readily accessible to non-specialists.
- It is advised that you ask a colleague from an unrelated discipline to comment on the article before submitting it.
- Personal opinions, viewpoints, criticisms and predictions are encouraged.
- The submission of figures and artwork is encouraged, to illustrate both specific points made in the piece and the more general context.
- References are not included in word count.

Grading:

The final grade will be based on the following: 30% for your Symposium abstract/presentation; 10% for all Canvas questions posted; 10% for all Canvas responses posted; 25% for external talk attendance/evaluations. 25% for News and Views article. Students are expected to attend every seminar and sign-in on the attendance sheet with Dr. Gutzman. Students are also encouraged to take an active role by asking questions or joining in any discussion during presentations.

Credit hour requirements:

BioSci/Psych 933 is a 2-credit course, so you should expect to dedicate, on average, at least 6 hours per week to the course (i.e., at least 90 hours total for the semester; see below for a detailed breakdown of the minimum time commitment). Attending/evaluating weekly seminar: average of 1 hr per week, 15 hr per semester. Reading associated papers: average of 1 hr per week, 15 hr per semester. Symposium presentation & preparation or evaluations: 30 hr per semester. News and Views article (including background reading and research): 30 hr per semester.

Deadlines:

For each external speaker presentation, one empirical paper on the topic of the talk will be posted on Canvas ~2 weeks before the scheduled date of the presentation. Students should read this paper in detail and post a thoughtful question in the appropriate Discussion Board on Canvas any time before the scheduled start of the talk (2pm on Fridays). Students must also respond to any question posted by another student on this topic before the scheduled start of the talk. After the talk, students have exactly 5 calendar days after the scheduled start of the talk to complete the *Talk Evaluation* form posted on Canvas and submit it under Canvas assignments. For example, if the talk is scheduled to begin at 2pm on Friday, your evaluation must be submitted before 2pm on the following Wednesday.

Mini-Symposium Student Presentations

SEE ADDITIONAL DOCUMENT FOR DETAILS REGARDING SYMPOSIUM:

We will hold a neuroscience mini-symposium in the middle of the semester during which each enrolled student will present their data in a standard SfN poster format. Posters should follow SfN2017 guidelines for size and content.

I encourage each of you to meet with your advisor individually as you prepare your poster presentations. In addition, you are welcome to email Dr. Gutzman to setup an appointment to discuss any topics, articles, or problems you may be having preparing your presentation.

You will find on our Canvas site information on “How to give a good poster presentation”. Please read through these – you may find them helpful.

Canvas Course Website

All students enrolled in the course will have access to course materials on the Canvas course website. The syllabus has been posted and all Discussion Board posts & presentation evaluations will take place there. If any student has trouble accessing the Canvas course site, they should immediately report this to the instructor by email, and contact the UWM Learning Technology Center for assistance. No late posts will be allowed if the instructor has not been notified of Canvas issues by the student.

Attendance Policy: Attendance at all talks and participation in the Neuroscience Symposium is mandatory. Any changes in the course schedule will be announced in class, on Canvas, and/or by e-mail sent to all registered class members.

University and Departmental Policies: Information on university policies on participation by students with disabilities, accommodation for religious observances, complaint procedures, grade appeal procedures, and other standing policies (e.g., sexual harassment, incompletes) can be found in the main office of the Department of Psychology in Garland Hall Room 224 and on this web page:

<http://www4.uwm.edu/secu/SyllabusLinks.pdf>

UWM Policy on Concealed Weapons: No weapons are permitted in any building on the UWM campus.

Participation by students with disabilities: If you need special accommodations in order to meet any of the requirements of this course, please notify the instructors at the start of the semester or at the time those accommodations become necessary. Please contact the Student Accessibility Center (Mitchell Hall Room 112, 229-6287, <http://www.sac.uwm.edu>) and inform the instructor.

Academic Conduct Policy: The University has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors. This course follows the guidelines and procedures detailed in the description of Student Academic Disciplinary Procedures found in Regents Policy Statements, UWS Chapter 14 and UWM Faculty Document #1686 and can be found online at

http://www.uwm.edu/Dept/Acad_Aff/policy/academicmisconduct.html.

Cell Phone Policy: Cell phones should be turned off before class. Check messages after class; absolutely no texting.

Plagiarism Policy: Students are responsible for the honest completion and representation of their work and for refraining from giving or receiving unauthorized aid on homework, exams, or any other assignments. At the very least, cheating will result in a grade of zero on the exam or assignment involved. In addition, any such instance of academic misconduct will be automatically reported to university authorities and could result in more serious consequences, including a grade of F for the course and/or academic suspension. The following website provides further details regarding University policies and procedures on exams, incomplete grades, religious holidays, discriminatory conduct, grade appeals, and students with disabilities. <http://www.uwm.edu/Dept/SecU/SyllabusLinks.pdf>.

Links on how to give a good poster presentation

http://www.csun.edu/plunk/documents/poster_presentation.pdf

<http://chem.virginia.edu/graduate-studies/test-links-pg/how-to-make-a-scientific-poster/>

<http://colinpurrington.com/tips/poster-design>

NEUROSCIENCE CALENDAR FOR SPRING 2019
Course/Seminar Meetings on Fridays 2pm in LAP N101

DATE:	Event	Host:
Jan 25	Mandatory Course Organization Meeting for enrolled students	Gutzman
Feb 1	Dr. Melina Hale, University of Chicago "TBA"	Udvardia
Feb 8	--	
Feb 15	Enrolled students only. Paper topics meeting	Gutzman
Feb 22	Enrolled students only. Peer review meeting	Gutzman
Mar 1	Dr. Lihsia Chen, University of Minnesota "L1-CAMs and Erk signaling in coordinating locomotion in C. elegans"	Quinn/de la Cova
Mar 8	Dr. Jennifer Morgan, Marine Biological Laboratory "A View from the Synapse: New Insights into Parkinson's Disease"	Udvardia
Mar 15	UWM Neuroscience Symposium ***11AM-3PM*** See additional Flyer for more information	Everyone
Mar 22	SPRING BREAK	
Mar 29	Enrolled students only. Paper peer review meeting	Gutzman
Apr 5	UWM Undergraduate Research Symposium *Union Wisconsin Room	12-4PM
Apr 12	Dr. Michelle Voss, University of Iowa "Effects of physical activity and fitness on hippocampal memory systems"	Hannula
Apr 19	-- BioSci Symposium	
Apr 26	-- AGSIP	
May 3	Dr. Peter Bandettini, NIMH "AFNI Bootcamp Symposium Keynote"	Greenberg