

SUPPLEMENTAL MATERIAL 2

NEU 200: Seminar in Neuroscience; Fall 2019; 3 credits

NEU 200 Seminar in Neuroscience Syllabus

Course: Neu 200 Seminar in Neuroscience | Fall: 2019 | Thurs: 1:00 pm - 3:50 pm
Instructor: Professor Nicole Cyr
Phone: 508-565-1071
Email: ncyr@stonehill.edu
Office hours: Wed (9:00-10:00), Thurs (10:00-12:00), Fri (1:15-2:15) or by appointment (SSC 208)

Course Description:

Basic Description / Objective of Course: NEU 200 is to be taken together with PSY 415 and LC 351 as the Neuroscience Learning Community. The two classroom-based courses are NEU 200 and PSY 415. NEU 200 and PSY 415 will teach you about the structure and function of nervous system. While PSY 415 Brain and Behavior covers a wide spectrum of topics, NEU 200 covers a more selective set of topics with a focus on the neuroscience underlying conditions such as Autism Spectrum Disorders (ASD) and Attention Deficit Hyperactivity Disorder (ADHD). Students will learn from lectures that inform about the basic structure and function of the nervous system. Students will also learn from reading the scientific literature. Literature read in this course may include case studies, clinical, translational and basic science.

Learning objectives: By the end of this sequence of courses, you should be able to:

- demonstrate an understanding of basic Neuroanatomy
- demonstrate an understanding of the somatosensory system, especially mechanoreceptors
- demonstrate an understanding of the neuroscience underlying topics covered in class such and ASD and ADHD
- As the semester unfolds, you should also be using and applying concepts and material from both NEU 200 and PSY 415 in your learning community experience at the House of Possibilities (HOPE) house and in your lessons that introduce neuroscience to local middle/elementary school children.

Course Policies:

Students with Disabilities: Stonehill College is committed to providing a welcoming, supportive and inclusive environment for students with disabilities. The Office of Accessibility Resources (OAR) provides a point of coordination, resources and support for students with disabilities and the campus community. If you anticipate or experience physical or academic barriers based on disability, please let me know so that we can discuss options. You are also welcome to contact OAR to begin this conversation or to establish reasonable accommodations for this or other courses. OAR is located within

the Academic Services & Advising Suite in Duffy 104. For additional information please call (508) 565-1306 or email accessibility-resources@stonehill.edu

Inclusive Classroom: Stonehill College embraces the diversity of students, faculty, and staff, honors the inherent dignity of each individual, and welcomes their unique cultural and religious experiences, beliefs, and perspectives. We all benefit from a diverse living and learning environment, and the sharing of differences in ideas, experiences, and beliefs help us shape our own perspectives. Course content and campus discussions will heighten your awareness to these differences.

There are many resources for anyone seeking support or with questions about diversity and inclusion at Stonehill. Resources are infused throughout the Mission Division, Academic Affairs, and Student Affairs. If you'd like more information on how to get connected to resources, the Office of Intercultural Affairs is a good first stop: Location: Duffy 149, Phone: 508-565-1409, Email: diversity@stonehill.edu.

If you are a witness to or experience an act of bias at Stonehill, you may submit a bias incident report online or on the Stonehill App. If you would like to learn more on bias incident prevention and response, or submit a report please visit: <http://www.stonehill.edu/offices-services/intercultural-affairs/bias-response-protocol/>

*** If you ever have a concern please feel free to approach me in person, by email, or with an anonymous note under my door, etc... Thank you!

Academic Honor Code and Integrity Policy: My expectation is that you will adhere to the Stonehill Academic Honor Code and Academic Integrity Policy found in the 2015-2016 Hillbook under Academic Policies and Procedures.

In this course, academic dishonesty includes but is not limited to the following actions:

- “Presenting another’s work as if it were one’s own;
- Failing to acknowledge or document a source even if the action is unintended (i.e., plagiarism);
- Giving or attempting to give unauthorized assistance or information in an assignment or examination;
- Receiving or attempting to receive unauthorized assistance or information in an assignment or examination;
- Submitting the same assignment in two or more courses without prior permission of the respective instructors;
- Having another person write a paper or sit for an examination;
- Unauthorized use of electronic devices to complete work”

Taken from Hillbook academic policies:

http://catalog.stonehill.edu/content.php?catoid=9&navoid=405#stonehill_college_academic_honor_code_policy_procedures

When in doubt, always verify with me if something is being done properly or is allowable in this class rather than simply make an assumption based on the fact that it was or is currently allowable in another class.

Resources for Academic Support

The Center for Writing and Academic Achievement (CWAA) provides academic support services in a welcoming, professional environment that emphasizes collaborative learning and peer tutoring, supplemented with professional-level support. The CWAA offers a variety of academic support services, including peer tutoring in writing, math, and foreign languages.

The CWAA is located in MacPháidín Library, Room 314. Drop-in hours are offered Sunday – Thursday. Students can visit the CWAA website to view schedules, make appointments, or request a tutor.

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Cell Phone Policy

Each cell phone is to be turned to silent mode during class time and remain out of sight throughout the entire duration of the class. Absolutely no use of the cell phone (i.e., checking its screen) is permitted from the time an exam is handed out until it has been turned in to be graded. Cell phones, watches, etc... will be kept in the cubbies during exams.

Extensions/Exam Days: Only in extraordinary circumstances will extensions be given or make-up exams administered. The professor has the discretion to determine what constitutes an “extraordinary circumstance.” For example, an illness requiring hospitalization will constitute an “extraordinary circumstance” and will result in a make-up or extension. However, although unfortunate, having a very bad cold on a test day, will not excuse the student from the test.

In the event of a snow-day or other such cancellation of class on a test day or due date, students may assume that the very next class meeting is the new test day or due date.

Grading: Letter grades are assigned as follows:

A = 93.5- 100	B+ = 86.5-89.4	C+ = 76.5- 79.4	D+ = 66.5 – 69.4
A- = 89.5-93.4	B = 83.5-86.4	C = 73.5-76.4	D = 59.5-66.4
	B- = 79.5-83.4	C- = 69.5-73.4	F = 59.4 and below

The quality of work in a course is indicated by the following grades:

Grade	Definition	Quality Points per Credit Hour
A	Excellent , work that is of the highest standard, showing distinction	4.00
A-		3.70
B+	Good , work that is of high quality	3.30
B		3.00
B-	Satisfactory , work that fulfills requirements in quality and quantity and meets acceptable standard for graduation	2.70
C+		2.30
C		2.00
C-		1.70
D+	Passing , work that falls below graduation standard, yet is deserving of credit.	1.30
D		1.00
F		0.00
	Failure , work undeserving of credit	

Course Requirements and Grades:

Assignment	Percentage
Hand-outs/participation	10
Exam 1	25
Exam 2	25
Final exam	25
Literature review & discussion	15

Exams will consist of: multiple choice, matching, short answer, identification, and essay questions based entirely class material and readings. A combination of some, but not necessarily all style questions will appear on each exam. This includes *all* topics covered in class. The final exam will be cumulative and will include information from literature reviews and discussions.

NEU 200 List of Topics and Suggested Readings - This is a tentative schedule

The chapters (Ch) listed are from the book: “Foundations of Behavioral Neuroscience” by Neil R. Carlson. This is your book for Brain and Behavior. The articles listed will be used as a source. Typically, I will include some, but not all information from the articles. You will be responsible for knowing what is covered in class. Also, readings may be updated throughout the semester.

Month	Day	Topic	Readings
Aug	29	Intro & Neuroanatomy	Ch 2&3
Sept	5	Development	TBD
Sept	12	Development	TBD
Sept	19	Neuronal communication and restricted repetitive behaviors	Ch 2; Article: The Neuronal mechanisms and circuits underlying repetitive behaviors
Sept	26	Neuro for kids prep & review	
Oct	3	Exam 1	
Oct	10	Lecture material/Neuro for Kids	
Oct	17	The Neuroscience of Autism	Ch16; Article: The Developmental Neurobiology of Autism Spectrum Disorder
Oct	24	Lecture material/Neuro for Kids	
Nov	31	Somatosensory System	Ch 6&7
Nov	7	Auditory system	Ch 7; Article: Neural Mechanisms Involved in Hypersensitive Hearing
Nov	14	Exam 2	
Nov	21	The Neuroscience of Attention/ Literature review & discussion information	Ch16; Article: Attention-Deficit/Hyperactivity Disorder and Attention Networks; Thalamic reticular impairment underlies attention deficit in Ptchd1 y- mice
Nov	29	No class - Thanksgiving break	
Dec	5	Literature review & discussion.	
		Final exam	

Federal Government definition of a Credit Hour:

“... an amount of work represented in intended learning outcomes and verified evidence of student achievement that is an institutional established equivalence that reasonably approximates not less than-

- (1) One hour of classroom or direct faculty instruction and a minimum of two hours of class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time.*
- (2) At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.”*