



Department of Psychology & Neuroscience
NEUR 2600 - Introduction to Neuroanatomy

I. Course Information

Course: NEUR 2600 - Introduction to Neuroanatomy
Semester Credit Hours: 3.0
Course CRN and Section: 20620 - DA 1
Semester and Year: Fall 2017
Course Start and End Dates: 08/21/2017 - 12/10/2017
Building and Room: Carl DeSantis Building - 2074

II. Instructor Information

Professor: James Richard Munoz
Email: jm2701@nova.edu
Phone: 954-262-8070

Additional Contact Information: This course is administered by the Department of Psychology and Neuroscience. If the instructor cannot be reached, please contact the Department of Psychology and Neuroscience at 954-262-8063.

III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
TR	08/22/2017 - 10/05/2017	10:45 AM - 12:00 PM	Ft Lauderdale/Davie Campus	Carl DeSantis Building- 2074
R	10/12/2017 - 10/12/2017	10:30 AM - 12:30 PM	Ft Lauderdale/Davie Campus	Carl DeSantis Building- 2074
TR	10/17/2017 - 11/30/2017	10:45 AM - 12:00 PM	Ft Lauderdale/Davie Campus	Carl DeSantis Building- 2074
R	12/07/2017 - 12/07/2017	10:30 AM - 12:30 PM	Ft Lauderdale/Davie Campus	Carl DeSantis Building- 2074

IV. Course Description

This course will introduce students to structural, functional, and developmental features of the human nervous system. After each major structure, system, or anatomical pathway is presented, a clinical component will emphasize normal function and dysfunction resulting from injury or disease. Clinical cases will be presented to reinforce the relationship between structure and function. Prerequisite: NEUR 2500
Frequency: Every Fall.

V. Course Objectives / Learning Outcomes

- 1) Compare and contrast functional stages in the growth and development of the nervous system from conception through old age.
- 2) Demonstrate the ability to identify structures and relate those structures to their functions and behavior.
- 3) Delineate and describe the pathways between the different nuclei and systems within the nervous system.
- 4) Explain how damage to specific neuroanatomical structures may impair specific behaviors.
- 5) Demonstrate the ability to localize and diagram a nervous system lesion when presented with neurological symptoms.
- 6) Communicate the ability to critically evaluate published scientific literature.

VI. Materials and Resources

Book Url: [NSU Book Store](#)

Section Required Texts and Material:

Recommended:

Nolte, J. (2016). *The Human Brain: An Introduction to its Functional Anatomy*, Elsevier Academic Press; 7th edition. ISBN-13: 978-1-4557-2859-6.

VII. Course Requirements

Plagiarism: Plagiarism is a major academic offense and is taken seriously by the faculty and administrators of the College of Psychology. Plagiarism refers to the presentation of the ideas and/or words of someone else as one's own. You commit plagiarism if you use:

- Any part of another person's written words without correct documentation
- Any part of another person's ideas without correct documentation

When using the exact wording of another author for more than a few consecutive words, it is necessary to indicate this by putting the quote in quotation marks. Whether a statement is a direct quote or is paraphrased, the in-text citation must follow. **Extended Absences:** If you anticipate missing class (or have missed class) for illness or personal reasons for more than one week, you should contact both myself and the Office of Student Disability Services (954-262-7189).

VIII. Course Schedule and Topic Outline

Class schedule subject to modification, but not without prior notification.

Week	Chapter	Topic	Assignment
8/22-8/24	1	Overview of the Central Nervous System	
8/29-8/31	2	Development of the Nervous System	Quiz 1
9/5-9/7	3	Gross Anatomy of the CNS	Quiz 2
9/12-9/14	4	Meningeal Coverings of the Brain and Spinal Cord	Quiz 3
9/26 – 9/28	5	Ventricles and Cerebrospinal Fluid	Quiz 4
10/3 – 10/5	11	Organization of the Brainstem	Quiz 5
10/9 – 10/13		MIDTERM EXAM	
10/17 – 10/19	12	Cranial Nerves and their Nuclei	
10/24 – 10/26	20	Cerebellum	Quiz 6
10/31 – 11/2	16, 23	Diencephalon	Quiz 7
11/7 – 11/9	19	Basal Ganglia	Quiz 8

11/14 – 11/16	23	Hippocampal Formation and the Amygdala	Quiz 9
11/21 – 11/23	22	Cerebral Cortex	Paper Due
11/28 – 11/30	6	Blood Supply of the CNS	Quiz 10
12/4 – 12/8		FINAL EXAM	

IX. Assignments

Quizzes: Each quiz can possibly consist of multiple choice, matching, fill in the blanks, or short answer questions. The quizzes will cover concepts and information from the lectures and readings. There will be no make-ups. If you miss a quiz for any reason, the missed quiz will count as your dropped quiz.

Midterm and Final Exams: There will be a midterm and final exam. Each exam will consist of multiple choice and take home essay questions that need to be answered in APA style and uploaded to turnitin.com.

The references should be professional and peer reviewed (e.g. no websites). The midterm exam will be cumulative for the first half of the course and the final exam will be cumulative for the second half of the course. The exams will cover concepts and information from the lectures and readings.

Exploration Papers: The exploration paper allows you to explore specific topics in neuroanatomy in greater depth than is covered in the course. You should identify a topic area related to a basic science or clinical approach to neuroanatomy and review this topic in the papers. Individual paper topics need to be focused enough to fully review the information in a short paper. **You are encouraged to make at least one appointment with me to individually brainstorm and/or discuss their chosen topic and discuss their exploration papers.** Each paper is to be AT LEAST 4.5 and no more than 5.5 pages double-spaced and in APA Style.

(see: <http://owl.english.purdue.edu/owl/resource/560/01/>).

No websites are allowed as sources- only academic journals and books. Papers must be uploaded to the assignment dropbox on Blackboard and submitted to turnitin.com. Instructions for turnitin.com can be found on the class Blackboard homepage. The elements of the grading rubric (below) will be defined and discussed together in class.

Content of the paper: 3 points

Clarity of ideas: 2 points

Organization of ideas: 2 points

Correct grammar: 2 points

Correct APA style format: 1 point

X. Grading Criteria

Grade	Points or Percentage Earned	Grade	Points or Percentage Earned
A	100 - 93	C+	79 - 77
A-	92 - 90	C	76 - 73
B+	89 - 87	C-	72 - 70
B	86 - 83	D+	69 - 67
B-	82 - 80	D	66 - 60
		F	Below 60

XI. University Policies

Class Participation: Participation is an important part of this course. Students are expected to participate in scheduled class activities and discussions. This includes responding to emails/messages in a timely manner and overall investment in the course, projects, and assignments. Your final course grade is likely to be affected by both the quality and quantity of your participation.

Academic Integrity: The University is an academic community and expects its students to manifest a commitment to academic integrity through rigid observance of standards for academic honesty. The following acts violate the academic honesty standards:

1. Cheating—intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise.
2. Fabrication—intentional and unauthorized falsification or invention of any information or citation in an academic exercise.
3. Facilitating Academic Dishonesty—intentionally or knowingly helping or attempting to help another to violate any provision of this code.
4. Plagiarism—the adoption or reproduction of ideas, words, or statements of another person as one's own without proper acknowledgement.

Instructor's Statement: The instructor reserves the right to adjust the syllabus schedule as necessary to meet the needs of this particular class. Changes will be communicated with students in a timely manner. It is your responsibility to keep informed about discussion topics and assignments. If in doubt, check with your instructor. Please remember to retain your syllabi after completion of the program; as it may be required in the future for certification and/or licensure purposes.

Personal Counseling: If you find that issues such as personal problems, career indecision, and time management difficulties are adversely impacting your successful progress at NSU, please contact the NSU Henderson Student Counseling Services at (954) 262-7050 or (954) 424-6911 for assistance. All NSU students are provided ten sessions at no charge.

Tutoring: Writing support is available through NSU's tutoring services. The tutor can assist with brainstorming and research, APA style, grammar, structuring, and formatting of papers. For more information, please call (954) 262-8350 or visit the tutoring website at <http://nova.edu/tutoring-testing/tutoring-services/>.

Disability Services: Candidates seeking accommodations under the Americans with Disabilities Act should contact the Office of Student Disability Services prior to the commencement of classes to discuss their needs. To obtain more information from the Office of Student Disability Services, please call (954) 262-7185, email disabilityservices@nova.edu, or visit their website at <http://nova.edu/disabilityservices>.

Cellular Phone Policy: The university recognizes the growing trend regarding student possession of cellular phones and electronic devices with video, camera, or voice recording capabilities. In support of each individual's reasonable expectation of privacy, the copyright and intellectual property laws, the use of these cellular phone features by NSU students must be in conjunction with express consent. Students are forbidden to video, use camera or voice recordings without the express consent of the subject(s) being photographed or recorded.

Students should visit <http://www.nova.edu/academic-affairs/nsu-syllabus-policy.html> to access additional required college-wide policies. It is your responsibility to access and carefully read these policies to ensure you are fully informed. As a student in this class, you are obligated to follow these college-wide policies in addition to the policies established by your instructor.

The following policies are described on this website:

- Academic misconduct
- Last day to withdraw
- Email policy
- Student course evaluations
- Student responsibility to register
- Student responsibility for course prerequisites

Academic Resources

Nova Southeastern University offers a variety of resources that may aid in student success. Among these resources are:

Accommodations for students with documented disabilities: For more information about ADA policy, services, and procedures, students may call the Office of Student Disability Services at 954-262-7189 or visit <http://www.nova.edu/disabilityservices>.

Tutoring and testing center:

Students are encouraged to use the free, individualized tutoring services offered by the Tutoring and Testing Center (TTC). TTC provides a supportive atmosphere in which tutors and students work collaboratively on improving students' writing, math and/or science skills. <http://www.nova.edu/tutoring-testing/index.html>