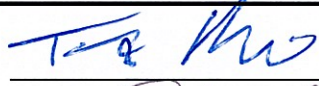
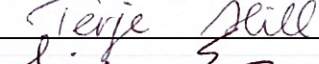
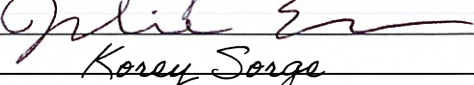

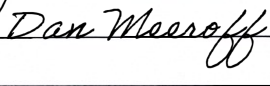
 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>COURSE CHANGE REQUEST</b> <b>Undergraduate Programs</b>		UUPC Approval <u>11-03-25</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department <b>N/A</b> College <b>Wilkes Honors College</b>		
<b>Current Course Prefix and Number</b> PSB 3340		<b>Current Course Title</b> Honors Behavioral Neuroscience	
Syllabus must be attached for <b>ANY</b> changes to current course details. See <u>Template</u> . Please consult and list departments that may be affected by the changes; attach documentation.			
<b>Change title to:</b>  <b>Change prefix</b> <b>From:</b> <b>To:</b> <b>Change course number</b> <b>From:</b> <b>To:</b> <b>Change credits*</b> <b>From:</b> <b>To:</b> <b>Change grading</b> <b>From:</b> <b>To:</b> <b>Change WAC/Gordon Rule status**</b> Add <input type="checkbox"/> Remove <input type="checkbox"/> <b>Change General Education Requirements***</b> Add <input type="checkbox"/> Remove <input type="checkbox"/> <small>*See <u>Definition of a Credit Hour</u>.</small> <small>**WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to this form. See <u>WAC Guidelines</u>.</small> <small>***GE criteria must be indicated in syllabus and approval attached to this form. See <u>Intellectual Foundations Guidelines</u>.</small>		<b>Change description to:</b>  <b>Change prerequisites/minimum grades to:</b> PSY 1012 Honors General Psychology or PCB 3840 Honors Intro to Neuroscience with a minimum grade of "C", or permission of instructor. <i>(adding new course as prereq.)</i> <b>Change corequisites to:</b>  <b>Change registration controls to:</b>  Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).	
<b>Effective Term/Year for Changes:</b> Fall 2026		<b>Terminate course? Effective Term/Year for Termination:</b>	
<b>Faculty Contact/Email/Phone</b> Casey Spencer/Cspenc27@fau.edu/5617998555			
<b>Approved by</b> Department Chair <u></u> College Curriculum Chair <u></u> College Dean <u></u> UUPC Chair <u></u> Undergraduate Studies Dean <u></u> UFS President _____ Provost _____		<b>Date</b> <u>10/24/25</u> <u>10-24-2025</u> <u>10/24/25</u> <u>11-03-25</u> <u>11-03-25</u> _____ _____	

Email this form and syllabus to [mianning@fau.edu](mailto:mianning@fau.edu) seven business days before the UUPC meeting.



## FLORIDA ATLANTIC UNIVERSITY

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### **PSB 3340**

#### **Honors Behavioral Neuroscience**

**Date:** Tuesday, Thursday 9:30 AM - 10:50 AM

**Building:** MacArthur Admin Clssrm Jupiter **Room:** 202

**3 Credit(s)**

### **Instructor Information**

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David Cinalli

**Email:** dcinalli2013@fau.edu

**Office:** MC22 room 201C

**Office Hours:** R 11:00a-1:00p

**Phone:** 786-269-1528

### **Course Description**

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Course introduces students to what is known currently about nervous system mechanisms that underlie behavior and provides a better understanding of the scientific methods used to generate this knowledge.

#### **Note of Honors Distinction**

This course differs substantially from a non-Honors version. First, and most importantly, the course is an agreement between the student and instructor that they will work together collaboratively to ensure a significantly enriched learning experience in a manner consistent with other Honors-designated courses at FAU. This means the course will produce substantive work that reflects interdisciplinarity and connections among academic fields, research and direct access to sources of knowledge pertinent to the field, leadership, creative and critical thinking, and engagement with the world outside the university. Secondly, the writing component of the course will be much more demanding and will prepare students for upper-division college writing and for work on the Honors Thesis.

### **Prerequisites/Corequisites**

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PSY 1012 (Honors General Psychology) or PCB 3840 (Honors Intro to Neuroscience)

## Instructional Method

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### In-Person

Traditional concept of in person. Mandatory attendance is at the discretion of the instructor.

## Required Texts/Materials

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### Behavioral Neuroscience

**ISBN:** 9781605359076

**Publisher:** Oxford University Press C/O INGRAM DISTRIBUTION SOLUTIONS

**Edition:** 9th

### Behavioral Neuroscience

**ISBN:** 9780197616888

**Publisher:** Oxford University Press C/O INGRAM DISTRIBUTION SOLUTIONS

**Edition:** 10th

### Behavioral Neuroscience

**ISBN:** 9781605359076

**Publisher:** Oxford University Press C/O INGRAM DISTRIBUTION SOLUTIONS

**Edition:** 9th

## Course Objectives/Student Learning Outcomes

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1. Understand basic cellular and structural neuroscience concepts
2. Understand how structural and hormonal mechanisms coordinate during behavioral states and cognition
3. Be familiar with common behavior and cellular assays used to understand and investigate cognition
4. Understand the neural mechanisms underlying each of the senses
5. Introduce basic concepts of cognitive disorders and substance abuse
6. Research and present on emerging neuroscience techniques and topics

## Faculty Rights and Responsibilities

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Florida Atlantic University respects the rights of instructors to teach and students to learn. Maintenance of these rights requires classroom conditions that do not impede their exercise. To ensure these rights, faculty members have the prerogative to:

- Establish and implement academic standards.
- Establish and enforce reasonable behavior standards in each class.
- Recommend disciplinary action for students whose behavior may be judged as disruptive under the Student Code of Conduct [University Regulation 4.007](#).

## Disability Policy

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In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at [www.fau.edu/sas/](http://www.fau.edu/sas/).

## Course Evaluation Method

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### Grade Breakdown:

3 Exams	20% each
Final	20%
Presentation	10%
Write Up	10%

## Code of Academic Integrity

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Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [University Regulation 4.001](#).

## **Attendance Policy Statement**

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Students are expected to attend all their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations, or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances, and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

## **Religious Accommodation Policy Statement**

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In accordance with the rules of the Florida Board of Education and Florida law, students have the right to reasonable accommodations from the University in order to observe religious practices and beliefs regarding admissions, registration, class attendance, and the scheduling of examinations and work assignments. University Regulation 2.007, Religious Observances, sets forth this policy for FAU and may be accessed on the FAU website at [www.fau.edu/regulations](http://www.fau.edu/regulations).

Any student who feels aggrieved regarding religious accommodations may present a grievance to the executive director of The Office of Civil Rights and Title IX. Any such grievances will follow Florida Atlantic University's established grievance procedure regarding alleged discrimination.

## **Time Commitment Per Credit Hour**

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For traditionally delivered courses, not less than one (1) hour of classroom or direct faculty instruction each week for fifteen (15) weeks per Fall or Spring semester, and a minimum of two (2) hours of out-of-class student work for each credit hour. Equivalent time and effort are required for Summer Semesters, which usually have a shortened timeframe. Fully Online courses, hybrid, shortened, intensive format courses, and other non-traditional modes of delivery will demonstrate equivalent time and effort.

## **Course Grading Scale**

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Letter Grade	Letter Grade
A	94 - 100%
A-	90 - 93%
B+	87 - 89%
B	83 - 86%
B-	80 - 82%
C+	77 - 79%
C	73 - 76%
C-	70 - 72%
D+	67 - 69%
D	63 - 66%
D-	60 - 62%
F	Below 60

## Grade Appeal Process

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You may request a review of the final course grade when you believe that one of the following conditions apply:

- There was a computational or recording error in the grading.
- The grading process used non-academic criteria.
- There was a gross violation of the instructor's own grading system.

[University Regulation 4.002](#) of the University Regulations contains information on the grade appeals process

## Policy on Make-up Tests, Late work, and Incompletes

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Makeup tests will only be allowed with approval prior to 1 week before the test or with a doctor's note. Switching presentation dates has to be approved by the instructor 2 weeks prior to the presentation. Late assignments will not be accepted.

## Policy on the Recording of Lectures

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Students enrolled in this course may record video or audio of class lectures for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a



university course intended to present information or teach students about a particular subject. Recording class activities other than class lectures, including but not limited to student presentations (whether individually or as part of a group), class discussion (except when incidental to and incorporated within a class lecture), labs, clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, and private conversations between students in the class or between a student and the lecturer, is prohibited. Recordings may not be used as a substitute for class participation or class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the University's Student Code of Conduct and/or the Code of Academic Integrity.

## **Counseling and Psychological Services (CAPS) Center**

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Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (**CAPS**) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

## **Student Support Services and Online Resources**

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- [Center for Learning and Student Success \(CLASS\)](#)
- [Counseling and Psychological Services \(CAPS\)](#)
- [FAU Libraries](#)
- [Office of Information Technology Helpdesk](#)
- [Center for Global Engagement](#)
- [Office of Undergraduate Research and Inquiry \(OURI\)](#)
- [Student Accessibility Services](#)
- [Student Athlete Success Center \(SASC\)](#)
- [Testing and Certification](#)
- [Test Preparation](#)
- [University Academic Advising Services](#)

### **The Center for Teaching and Learning (CTL)**

The CTL has a variety of FREE TUTORING and other academic support services to help you succeed in your courses. You are encouraged to build your academic support team early in the term

and meet with your team regularly. At the CTL, you can practice difficult course content, develop skills, and learn academic success strategies -- in person and online. Learn more about FAU academic support at [www.fau.edu/ctl](http://www.fau.edu/ctl).

## Artificial Intelligence Preamble

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FAU recognizes the value of generative AI in facilitating learning. However, output generated by artificial intelligence (AI), such as written words, computations, code, artwork, images, music, etc., for example, is drawn from previously published materials and is not your own original work.

## AI Prohibited Policy:

FAU students are not permitted to use AI for any course work unless explicitly allowed to do so by the instructor of the class for a specific assignment. [\[Policy 12.16 Artificial Intelligence\]](#)

Class policies related to AI use are decided by the individual faculty. Some faculty may permit the use of AI in some assignments but not others, and some faculty may prohibit the use of AI in their course entirely. In the case that an instructor permits the use of AI for some assignments, the assignment instructions will indicate when and how the use of AI is permitted in that specific assignment. It is the student's responsibility to comply with the instructor's expectations for each assignment in each course. When AI is authorized, the student is also responsible and accountable for the content of the work. AI may generate inaccurate, false, or exaggerated information. Users should approach any generated content with skepticism and review any information generated by AI before using generated content as-is.

If you are unclear about whether or not the use of AI is permitted, ask your instructor before starting the assignment.

Failure to comply with the requirements related to the use of AI may constitute a violation of the [Florida Atlantic Code of Academic Integrity, Regulation 4.001](#).

Proper Citation: If the use of AI is permitted for a specific assignment, then use of the AI tool must be properly documented and cited. For more information on how to properly cite the use of AI tools, visit <https://fau.edu/ai/citation>

## Course Topical Outline

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Week	Date	Topic	Reading
Wk 1	Tues 8/19	Intro to Course and Neuroscience	Ch 1
	Thur 8/21	Functional Neuroanatomy I	Ch 2
Wk 2	Tues 8/26	Sheep Brain Dissection	Ch 2
	Thur 8/28	Functional Neuroanatomy II	Ch 3
Wk 3	Tues 9/2	Neurophysiology I	Ch 3
	Thur 9/4	Neurophysiology II	Ch 4



Wk 4	Tues	9/9	Neurophysiology III & Glial cells	Ch 4
	Thur	9/11	Neurotransmission	
Wk 5	Tues	9/16	Demo Time	Ch 5
	Thur	9/18	<b>Test 1</b>	
Wk 6	Tues	9/23	Visual System	<b>Ch 13 &amp; 14</b>
	<b>Thur</b>	<b>9/25</b>	<b>Topic Presentations</b>	<b>Ch 8</b>
Wk 7			Visual	<b>Ch 9</b>
	Tues	9/30	System	
Wk 8	Thur	10/2	Auditory System	<b>Ch 9 &amp; 10</b>
	Tues	10/7	Touch, Taste, Smell	<b>Ch 9 &amp; 11</b>
Wk 9	<b>Thur</b>	<b>10/9</b>	<b>Topic Presentations</b>	
	Tues	10/14	Touch, Taste, Smell	<b>Ch 15</b>
Wk 10	Thur	10/16	Review	
	<b>Tues</b>	<b>10/21</b>	<b>Test 2</b>	<b>Ch 18</b>
Wk 11	Thur	10/23	Glutamate, Gaba, & Acetylcholine	
	Tues	10/28	Serotonin & Dopamine	<b>Ch 17</b>
Wk 12	<b>Thur</b>	<b>10/30</b>	<b>Topic Presentations</b>	<b>Ch 17</b>
	Tues	11/4	Sleep	
Wk 13	Thur	11/6	Learning & Memory	
	Tues	11/11	Learning & Memory	<b>Ch 16</b>
Wk 14	Thur	11/13	Long Term Potentiation	
	<b>Tues</b>	<b>11/18</b>	<b>Topic Presentations</b>	
Wk 15	Thur	11/20	Review	
	<b>Tues</b>	<b>11/25</b>	<b>Test 3</b>	
	<b>Tues</b>	<b>12/2</b>	<b>Review for Final (Reading Day)</b>	
	<b>Thurs</b>	<b>12/4</b>	<b>Final Exam 7:45am - 10:15am AD 202</b>	

## Emerging Topic Presentation

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The presentation should be a 8min presentation on assigned topic presentation with 2min for questions. There will be 8 presentations per topic. Students should research the topic and present all relevant biological background, methods used to examine topic, how it relates to behavioral states and pros vs cons. Each of these points should be discussed in the presentation. Additionally, at least 3 scientific articles or sources need be cited using MLA or APA. National Institute of Health (NIH) and National Science Foundation (NSF) are the only websites can be used as sources. Presentations need to be emailed to me by 8:30am the day of your presentation.

Presentation 100pts

Length	Pts
6-8 min	50
4-6 min	30
Less than 4 min	20
Slides	
Appropriate Figures and Clear Text	15
No Figures and/or Confusing Text	10
Accuracy of Information	
Correct Explanation of Underlined Points	20
Mostly Correct	15
Inaccuracies	10
References	
Appropriate Scientific References	5
No Scientific References	0
Presenter	
Presentation Delivery	5
Handling Questions	5
Max Points	100

## Write-up

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The write-up is a 2 page double spaced summary of your presentation topic. The summary should include at least 3 scientific articles correctly cited references, using MLA or APA style. Due: Submitted via Canvas before last day of class.

## Title IX Statement

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In any case involving allegations of sexual misconduct, you are encouraged to report the matter to the University Title IX Coordinator in the Office of Civil Rights and Title IX (OCR9). If University faculty become aware of an allegation of sexual misconduct, they are expected to report it to OCR9. If a report is made, someone from OCR9 and/or Campus Victim Services will contact you to make you aware of available resources including support services, supportive measures, and the University's grievance procedures. More information, including contact information for OCR9, is available at <https://www.fau.edu/ocr9/title-ix/>. You may also contact Victim Services at [victimservices@fau.edu](mailto:victimservices@fau.edu) or 561-297-0500 (ask to speak to an Advocate) or schedule an appointment with a counselor at Counseling and Psychological Services (CAPS) by calling 561-297-CAPS.