

BIOL 3700

Neuroscience

Spring 2024

Dr. Gannon

Bailey Science Center 2.032, 229-333-5759

Office Hours: TR 11:00 – 12:00

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Syllabus

The objective of this course is to provide students with the knowledge of how the brain functions at the cellular level. We will examine how the nervous system operates while completing routine tasks such as maintaining posture or more sophisticated skills such as communicating with language. This course will also introduce students to some of the extremely sophisticated technology used by neuroscientists to explore the functions of the brain. Finally, this course will contrast the function of the nervous system in normal and pathological states in order to demystify the etiology of neurological diseases.

Topics will be divided into four general areas: neural signaling, sensory input, motor output, and modification of neural circuits in complex brain functions. The accompanying lecture schedule provides a more detailed breakdown into f

Required Non-Discrimination and Title IX Statement:

Valdosta State University (VSU) upholds all applicable laws and policies regarding discrimination on the basis of race, color, sex (including sexual harassment and pregnancy), sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. The University prohibits specific forms of behavior that violate Title IX of the Education Amendments of 1972. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in education programs and activities that receive federal funding. VSU considers sex discrimination in any form to be a serious offense. Title IX refers to all forms of sex discrimination committed against others, including but not limited to: sexual harassment, sexual assault, sexual misconduct, and sexual violence by other employees, students or third parties and gender inequity

The designated Title IX Coordinator for VSU is Ms. Selenseia Holmes. To view the full policy or to report an incident visit: <https://www.valdosta.edu/administration/student-affairs/title-ix/>

Required Accommodations Statement:

Students with disabilities who are experiencing barriers in this course may contact the Access Office (<https://www.valdosta.edu/student/disability/>) for assistance in determining and implementing reasonable accommodations. The Access Office is located in University Center Room 4136 Entrance 5. The phone numbers are 229-245-2498 (V), 229-375-
email: access@valdosta.edu. To request reasonable accommodations for pregnancy and childbirth, contact Ms. Myia Miller, Title IX Compliance Officer, at maburden@valdosta.edu

Required Text: *Neuroscience*, by Augustine et al., 7th Edition

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Tentative Lecture Schedule

Spring 2024

Neuroscience
Augustine et al.,
7th Ed
Chapter
1,
App.

Date		Topic
1/11	Introduction	General Anatomy