

BIOL 5824L - Behavioral Neuroscience Laboratory

Fall 2026 Syllabus, Section 01, CRN 41243,

Credit hours: 0

Instructor

Jill Tall

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Public Instructor Information

Instructor Title: Associate Professor

Instructor Professional Qualifications:

Ph. D. (2001), Biomedical Sciences, Major Focus – Neurobiology, Minor Focus – Pharmacology, Kent State University in cooperation with Northeastern Ohio Universities College of Medicine

Bachelor's (1996), Zoology, Arizona State University

Instructor Office Location: Ward Beecher Hall #4026

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Course Description

5824L. Behavioral Neuroscience Laboratory. Behavioral Neuroscience Laboratory. Prereq.: BIOL 3730. Coreq.: BIOL 5824. 0 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Introduction to Behavioral Neuroscience	Kirby et al.	978-1-961584-57-0

<https://openstax.org/details/books/introduction-behavioral-neuroscience>

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Proposed Topic	Due/To Prepare for Class
Tue	8/25	MODULE 1 – FOUNDATIONS IN NEUROSCIENCE IN PERSON Introduction to the Behavioral Neuroscience Laboratory; Seeing and Studying the Brain	
Tue	9/1	INDEPENDENT Digital Neuroanatomy I	
Tue	9/8	IN PERSON Applied Neuroanatomy	
Tue	9/15	INDEPENDENT Digital Neuroanatomy II: Sectional Anatomy and Neuroimaging	
Tue	9/22	IN PERSON Exploring Neural Communication	
Tue	9/29	INDEPENDENT Neural Signaling: Image and Data Interpretation	
Tue	10/6	MODULE 2 – THE BRAIN BUILDS REALITY IN PERSON Perception: Human Behavioral Data Collection	

Tue	10/13	INDEPENDENT Perception Data Analysis and Interpretation
Tue	10/20	IN PERSON Attention: Human Behavioral Data Collection
Tue	10/27	INDEPENDENT Attention Data Analysis and Interpretation
Tue	11/3	IN PERSON Memory: Human Behavioral Data Collection
Tue	11/10	INDEPENDENT Memory Data Analysis and Interpretation
Tue	11/17	IN PERSON Stress and Arousal: Human Behavioral Data Collection
Tue	11/24	INDEPENDENT Stress and Arousal Data Analysis and Interpretation
Tue	12/1	IN PERSON Context, Reward, and Decision-Making: Human Behavioral Data Collection
Tue	12/8	INDEPENDENT Data Interpretation and Course Synthesis

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.