

PSYC 3728 - Biopsychology

Fall 2026 Syllabus, Section 02, CRN 41105,

Credit hours: 3

Instructor

David Fruehstorfer

Email: dbfruehstorfer@ysu.edu

Public Instructor Information

Professor: Dr. David B. Fruehstorfer

Professional Qualifications:

Ph.D., Experimental (Health) Psychology, Kent State University

M.A., Experimental (Health) Psychology, Kent State University

M.Ed., Clinical Mental Health Counseling, Kent State University

B.A., Psychology, Kent State University

Office: 3211 Beeghly Hall

Phone: 330.941.3276

Course Description

3728. Biopsychology. The structural-functional relationships of the various divisions of the neural system, their relationship to the organism as a whole, and their contributions to human behavior. Prereq.: PSYC 2617. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	REVEL access code for: Biopsychology, 11th edition.	Pinel & Barnes	8220144565407

1. REVEL ACCESS: It provides access to **eBook**, imbedded videos, **assignments**, quizzes, etc. ISBN 13: 8220144565407.

(Optional, if you want a hard copy text) Pinel, J.P.J & Barnes, S.J. (2021) *Biopsychology*, 11th edition. Hoboken, NJ; Pearson Higher Education. A *slightly* older hardcopy edition should work fine.

NOTE:

- This is **NOT** a "First-Day Ready" course. You will need to purchase the eBook with REVEL Access Code. Follow this link to purchase through the YSU/BNC bookstore:
- YSU BNcollege webpage to purchase course materials
- Search – Term Fall 2026; Department: PSYC; Course: 3728; Section: 41105

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	Reading(s)	Proposed Topic	Due/To Prepare for Class
Mon	8/24	Syllabus	Introductions/Understanding syllabus	Register for REVEL access
Wed	8/26	Ch. 1	Biology as a Neuroscience	
Fri	8/28	Ch. 1	Biology as a Neuroscience	Syllabus Quiz (5 pts) due by 11:59pm
Mon	8/31	Ch. 1	Biology as a Neuroscience	
Wed	9/2	Ch. 3	Anatomy of the Nervous System	REVEL quiz (Ch. 1) due by 11:59pm
Fri	9/4	Ch. 3	Anatomy of the Nervous System	



Mon	9/7	No Class - Legal Holiday		
Wed	9/9	Ch. 3	Anatomy of the Nervous System	REVEL quiz (Ch. 3) due by 11:59pm
Fri	9/11	Ch. 4	Neural Conduction & Synaptic Transmission	
Mon	9/14	Ch. 4	Neural Conduction & Synaptic Transmission	
Wed	9/16	Ch. 4	Neural Conduction & Synaptic Transmission	REVEL Chapter Quiz due by 11:59pm
Fri	9/18	Unit 1 Exam - 45 pts	Ch. 1, 3, 4)	
Mon	9/21	Ch. 6	The Visual System	
Wed	9/23	Ch. 6	The Visual System	REVEL Chapter Quiz due by 11:59pm
Fri	9/25	Ch. 7	Mechanisms of Perception: Hearing and Touch	
Mon	9/28	Ch. 7	Mechanisms of Perception: Hearing and Touch	
Wed	9/30	Ch. 7	Mechanisms of Perception: Taste and Smell	REVEL Chapter Quiz due by 11:59pm
Fri	10/2	Ch. 8	The Sensorimotor System	
Mon	10/5	Ch. 8	The Sensorimotor System	
Wed	10/7	Ch. 8	The Sensorimotor System	REVEL Chapter Quiz due by 11:59pm
Fri	10/9	Unit 2 Exam - 45 pts	Ch. 6, 7, 8	
Mon	10/12	Ch. 9	Development of the Nervous System	
Wed	10/14	Ch. 9	Development of the Nervous System	
Fri	10/16	Ch. 9	Development of the Nervous System	REVEL Chapter Quiz due by 11:59pm
Mon	10/19	Ch. 10	Brain Damage and Neuroplasticity	
Wed	10/21	Ch. 10	Brain Damage and Neuroplasticity	
Fri	10/23	Ch. 10	Brain Damage and Neuroplasticity	REVEL Chapter Quiz due by 11:59pm
Mon	10/26	Ch. 11	Learning, Memory, and Amnesia	
Wed	10/28	Ch. 11	Learning, Memory, and Amnesia	
Fri	10/30	Ch. 11	Learning, Memory, and Amnesia	REVEL Chapter Quiz due by 11:59pm
Mon	11/2	Unit 3 Exam - 45 pts	Ch. 9, 10, 11	
Wed	11/4	Ch. 15	Drug Use, Addiction & the Brain's Reward Circuits	
Fri	11/6	Ch. 15	Drug Use, Addiction & the Brain's Reward Circuits	
Mon	11/9	Ch. 15	Drug Use, Addiction & the Brain's Reward Circuits	REVEL Chapter Quiz due by 11:59pm
Wed	11/11	No Class - Legal Holiday		
Fri	11/13	Ch. 16	Lateralization, Language, and the Split Brain	
Mon	11/16	Ch. 16	Lateralization, Language, and the Split Brain	
Wed	11/18	Ch. 16	Lateralization, Language, and the Split Brain	REVEL Chapter Quiz due by 11:59pm
Fri	11/20	Ch., 17	Biopsychology of Emotion, Stress, and Health	
Mon	11/23	Ch. 17	Biopsychology of Emotion, Stress, and Health	REVEL Chapter Quiz due by 11:59pm
Wed	11/25	No Class - University Open		
Fri	11/27	No Class - Legal Holiday		
Mon	11/30	Ch. 18	Biopsychology of Psychiatric Disorders	Paper due as Blackboard Assignment
Wed	12/2	Ch. 18	Biopsychology of Psychiatric Disorders	
Fri	12/4	Ch. 18	Biopsychology of Psychiatric Disorders	REVEL Chapter Quiz due by 11:59pm
Fri	12/11	Unit 4 Exam ("the Final") - 60 pts.	Ch. 15, 16, 17, 18	

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.