



上海财经大学

Shanghai University of Finance & Economics

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Shanghai University of Finance & Economics

2021 Summer Program

PSY 202 Biopsychology

Course Outline

Term: June 14 – July 09, 2021

Class Hours: 10:00-11:50 (Monday through Friday)

Course Code: PSY 202

Instructor: Dr. Job Chen

Home Institution: Clemson University

Office Hours: TBA

Email: zhuoc@clemson.edu

Credit: 4

Class Hours: This course will have 52 class hours, including 32 lecture hours, professor 8 office hours, 8-hour TA discussion sessions, 4-hour review sessions.

Course Description: Biopsychology studies the structure and function of the nervous system. This course provides the foundation for understanding the biological basis of behavior fundamental to human psychology. Through this course, students will be exposed to a variety of topics including but not limited to anatomy of the nervous system, neural conduction, sensory and motor systems, brain plasticity, biological foundations for motivation (e.g., hunger, sex, sleep, and drug use), cognitive functions of learning and memory, and disorders of cognition and emotion.

Required Textbooks: Biopsychology, 11th Edition by John P.J. Pinel, Pearson.

Grading & Evaluation: Grades will be distributed as

A : 94 - 100 A- : 90 – 93

B : 83 - 89 B- : 80 – 82

C : 73 - 79 C- : 70 – 72



D : 63 - 69

D- : 60 – 62

F : Fail

Assignments and Essays (30%) – Use the theories and knowledge points (at least 5) learned from this class to explain a human behavior (TBD). The paper has to be no less than 8 pages not including title and reference, and APA formatted. Grades are given based on thoughtful analyses and application of the relevant theories (40%), evidence-based argument and critical thinking (40%), and overall writing and grammar (20%).

Midterm exam (35%) – will be multiple choice questions given at the end of week 2 to cover all materials previously studied.

Final exam (35%) – will be multiple choice questions given at the end of week 4 to cover all materials previously studied.

Course Schedule:

Week 1

Session 1: Course Introduction: Biopsychology as a Neuroscience

Session 2: Evolution, Genetics, and Experience

Session 3: Anatomy of the Nervous System

Session 4: Neural Conduction and Synaptic Transmission

Week 2

Session 1: The Research Methods of Biopsychology

Session 2: The Visual System

Session 3: Sensory Systems, Perception, and Attention

Session 4: The Sensorimotor System

Midterm

Week 3

Session 1: Development of the Nervous System

Session 2: Brain Damage and Neuroplasticity

Session 3: Learning, Memory, and Amnesia

Session 4: Hunger, Eating, and Health

Week 4

Session 1: Hormones and Sex

Session 2: Drug Use, Drug Addiction, and the Brains Reward Circuits

Session 3: Lateralization, Language, and the Split Brain

Session 4: Biopsychology of Emotion, Stress, and Health

Final Exam