I. LOCATION INFORMATION:
INSTRUCTOR: Thomas E. Van Cantfort, Ph.D.
OFFICE: 210 Nursing Education & Research Center
PHONE: 672-1577
E-MAIL: tvancantfort@uncfsu.edu
WEB ADDRESS: http://faculty.uncfsu.edu/tvancantfort/

II. COURSE DESCRIPTION:
Background and contemporary research relating behavior to biological processes. Data on neural and hormonal systems are summarized and used in examining such complex behaviors as learning, perception, and motivation.

III. REQUIRED TEXTBOOKS:
ISBN: 9978-0-87893-6

IV. COURSE OBJECTIVES:
The successful student is expected to master the following competencies:
1. Be able to explain the role that philosophy, biology and psychology played in the development of Biopsychology.
2. Be able to discuss neuroanatomy and neurophysiology.
3. Be able to describe the research methodology in Biopsychology.
4. Be able to discuss the role that the nervous system plays in sensory and perceptual processes.
5. Be able to explain the role that the peripheral nervous system plays in emotions.
6. Be able to explain the role the hormones and genetics play in the regulation of behavior.
7. Be able to describe the role that the central nervous system plays in cognitive processes such as learning and memory.
8. Be able to discuss the role that neuroanatomy and neurotransmitters play in psychological disorders.

V. STUDENT EVALUATION AND GRADING:
1. This class is an on-line class. That means that you are primarily responsible for your education. On-line classes require more of a student’s time than do face-to-face classes. You will be expected to committee about 12 hours a week to this class. If you put in a couple of hours per week studying for this class you are not likely to do well in this course.

2. There will be four (4) exams each worth 50 points. Consult the syllabus for dates of these exams.

3. There will be one (1) quiz per week each worth 10 points. There will 14 for the semester totaling 140 points.

4. There will be one (1) reaction paper for the course worth fifty (50) points. This reaction paper will be a five (5) page paper in response to an article provided. The reaction paper must by typed using MS Word, in APA format and submitted electronically through Turnitin.com. See Course Information for an example of a reaction paper, how to submit your paper to Turnitin.com and the University’s policy on plagiarism.

6. There are NO make-ups for any missed assignments. This would include but not limited to medical emergency, illness or death in the family, car accidents, caring for children or parents, etcetera. The final grade will be based on three (3) best of the four (4) exams (150 points), the one (1) reaction paper (50 points), and the 14 quizzes (140 points). Therefore, you are allowed to miss one (1) exam or drop your lowest exam score. ALL STUDENTS MUST TAKE THE FINAL EXAM. Total points possible 340.

7. Missing two (2) exams is automatic failure.

8. Final grades will be determined according to the following schedule:
   - A ≥ 90% of highest total points earned
   - B ≥ 80% and < 90% of highest total points earned
   - C ≥ 70% and < 80% of highest total points earned
   - D ≥ 60% and < 70% of highest total points earned
   - F < 60% of highest total points earned

VI. Title IX - Sexual Misconduct
Fayetteville State University (University) is committed to fostering a safe campus environment where sexual misconduct — including sexual harassment, domestic and dating violence, sexual assault, and stalking - is unacceptable and is not tolerated. The University encourages students who may have experienced sexual misconduct to speak with someone at the University so that the University can provide the support that is needed and respond appropriately. The Sexual Misconduct policy can be found at the
Consulting with a Health Care Professional - A student who wishes to confidentially speak about an incident of sexual misconduct should contact either of the following individuals who are required to maintain confidentiality:

Ms. Pamela C. Fisher  
Licensed Professional Counselor  
Spaulding Building, Room 165  
(910) 672-387  
psmith@uncfsu.edu

Ms. Linda Melvin  
Director, Student Health Services  
Spaulding Building, Room 121  
(910) 672-1454  
lmelvi10@uncfsu.edu

Reporting an Incident of Sexual Misconduct - The University encourages students to report incidents of sexual misconduct. A student who wishes to report sexual misconduct or has questions about University policies and procedures regarding sexual misconduct should contact the following individual:

Ms. Victoria Ratliff  
Deputy Title IX Coordinator for Students  
Spaulding Building, Room 155  
(910) 672-1222  
vratliff@uncfsu.edu

Unlike the Licensed Professional Counselor or the Director of Student Health Services, the Deputy Title IX Coordinator is legally obligated to investigate reports of sexual misconduct, and therefore cannot guarantee confidentiality, but a request for confidentiality will be considered and respected to the extent possible.

Students are also encouraged to report incidents of sexual misconduct to the University’s Police and Public Safety Department at (910) 672-1911.

VII. COURSE OUTLINE:

INTRODUCTION

Week 1 (1/11 - 1/21). Introduction to Brain and Behavior  
Chapter 1

NERVOUS SYSTEM

Week 2 (1/22 - 1/28). Cells and Structures  
Chapter 2

Week 3 (1/29 - 2/4). Neurophysiology  
Chapter 3

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Week 4 (2/5 – 2/11). The Chemistry of Behavior

Chapter 4

SENSORY SYSTEMS

Week 5 (2/12 - 2/18). Vision

EXAM I (2/16)

Week 6 (2/19 - 2/25). Hearing and other senses

Chapter 6

Week 7 (2/26 - 3/4). Sensorimotor System

Chapter 5

Week 8 (3/5 - 3/11). Biological Rhythms and Sleep

Chapter 10

Week 9. (3/12 - 3/18). SPRING BREAK

EXAM II (3/16)

Week 10 (3/19 - 3/25). Eating & Drinking

Chapter 9

Week 11 (3/26 - 4/1). Sexual Development & Behavior

Chapter 8

Last day to Withdraw from Courses is March 28TH

Week 12 (4/2 - 4/8). Emotion & Stress

Chapter 11

Week 13 (4/9 - 4/15). Lateralization & Language

EXAM III (4/13)

Week 14 (4/16 - 4/22). Learning & Memory

Chapter 13


Chapter 12

Week 16 (4/30 - 5/6). Attention and Consciousness

EXAM IV

VIII. TEACHING STRATEGIES:

This course is taught primarily by lectures and discussions with a library research component.

IX. BIBLIOGRAPHY:


