

SYLLABUS for *Brain and Behavior* **Psych 240-002 Spring 2019**

TIME & PLACE: MWF 10:00-10:50pm, KIVA-104

INSTRUCTOR: Dr. Benjamin Clark

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OFFICE: Logan Hall rm. 174

DEPARTMENT OF PSYCHOLOGY OFFICE: 505-277-4121

DESCRIPTION: This course is concerned primarily with the organization of the mammalian brain, and the manner in which the brain normally produces thoughts, feelings, movements, perceptions, and memories.

TEXTBOOK: Kolb & Whishaw, *An Introduction to Brain and Behavior*, 5th Edition.

Note: There are two books on course reserve at Centennial Science and Engineering Library

iCLICKER: Clickers can be purchased at the bookstore and will be used for in-class quizzes.

STUDENT LEARNING OUTCOMES:

By the end of the course, students should be able to:

1. Describe and define the basic principles guiding the field of brain and behavior.
2. Describe, define, and analyze the brain basis of psychiatric and neurological disorders.

COURSE SCHEDULE: This schedule of activities is subject to change. Minor changes will be announced in class, major ones provided in writing.

<u>Topic</u>	<u>Readings</u>	<u>Tentative Date</u>
Origins of Brain & Behavior	Ch 1	Jan 14-18
Nervous System Organization	Ch 2	Jan 21-25
Functional Units of the Nervous System	Ch 3	Jan 28-30
Exam 1		Feb 1
Electrical Activity of Brain Cells	Ch 4	Feb 4-8
Electrochemical Signals	Ch 5	Feb 11-15
Drugs & Behavior	Ch 6	Feb 18-22
Exam 2		Feb 25
Nervous System Development	Ch 8	Feb 27-March 1
Vision	Ch 9	March 4-8
Spring Break		March 11-15
Hearing & Speaking	Ch 10	March 18-22
Exam 3		March 25
Movement & Sensation	Ch 11	March 27-April 1
Motivation & Emotion	Ch 12	April 3-5
Learning, Memory, Dementia	Ch 13	April 8-19
Exam 4		April 22
Recovery from Brain Injury	Ch 14	April 24-26
Cognitive Neuroscience	Ch 15	May 3-8
Exam 5		May 10

IN-CLASS QUIZZES: All quizzes will be administered via iClicker and will be comprised of multiple-choice questions (~2-3 questions per class). Quizzes will be worth 20% of the final grade. Many of the exam items will come from the quizzes, so this will provide a preview of possible exam questions. The bonus points (see below) are intended to compensate for missed quizzes, so DO NOT ask for a make-up quiz.

IN-CLASS EXAMS: Four in-class examinations will consist of multiple-choice, true-false questions, matching, and short-answer. The exams will include material covered during the preceding 3-4 weeks of class. Each exam will be worth 20% of the final grade. Make-up exams will be given in two situations: 1) If a student has arranged with the instructor prior to the examination date to take a make-up exam (e.g., if there is a schedule conflict), 2) If a student has an acceptable excuse for missing an exam (e.g., death in family, illness).

OPTIONAL FINAL EXAM: An optional final examination can be taken if the student wishes to replace a low grade on one of the in-class examinations. If your final exam grade is lower than the 4 in-class exam grades, then only the in-class exams will count toward your final grade.

BONUS MARKS: A 3% bonus mark will be given to each student following submission of a brief report (500-750 words in length) about how a topic covered in this class might be applied to a phenomena relevant to the well-being of our society (e.g., medical treatment of brain disease, pharmaceuticals, application to life at home, life in the workplace, or some other social issue). A draft must be submitted (in Microsoft Word or PDF format) on UNM Learn no later than the last day of class.

GRADING: In-Class Quizzes = 20%, Exams = 80%. Bonus mark = 3%. The grading scale used for this course is as follows: A+ (97+), A (90-96), B+ (87-89), B (80-86), C+ (77-79), C (70-76), D+ (67-69), D (60-66), F (<59)

ATTENDANCE POLICY: Regular and punctual attendance is required. UNM Pathfinder policies apply, which in part means instructor drops based on non-attendance are possible. This policy applies regardless of the grading option you have chosen.

ACCOMODATION: Accessibility Services (Mesa Vista Hall 2021, 277-3506) provides academic support to students who have disabilities. If you think you need alternative accessible formats for undertaking and completing coursework, you should contact this service right away to assure your needs are met in a timely manner. If you need local assistance in contacting Accessibility Services, see the Bachelor and Graduate Programs office.

ACADEMIC HONESTY: It is your responsibility to be aware of the UNM student code of conduct, which is available in the Student Handbook (The Pathfinder). As a student pursuing academic credit in this course you should also be familiar with UNM's student grievance procedures which are also described in Pathfinder (<http://pathfinder.unm.edu/index.html>) especially those concerning academic dishonesty. Instances of academic dishonesty (e.g., cheating) will be dealt with according to the procedures described at <http://pathfinder.unm.edu/common/policies/academic-dishonesty.html>. Please be considerate of others and refrain from talking or making excessive noise during lecture. If you have to be asked to refrain from talking more than once during the semester you will be dropped.

CELL PHONES and TECHNOLOGY: As a matter of courtesy, please turn off cell phones, pagers, and other communication and entertainment devices prior to the beginning of class. Notify me in advance if you are monitoring an emergency, for which cell phone ringers should be switched to vibrate.

LIBRARY and TUTORIAL SERVICES: UNM-Main campus provides many library services and some tutorial services for distance students. For library services, go to <http://www.unm.edu/libraries/> to link to a specific library or to contact a librarian. For tutorial services, go to <http://caps.unm.edu/online> to explore UNM's online services.