

California State University, San Marcos – Spring 2017 Syllabus PSYC 465: Human Neuropsychology Section 01 - CRN 22516 – Tu/Th 1:00pm - 2:15pm – Kellogg Library 1111 Website: http://csusm.diehr.com/psyc465 Prerequisites: C or higher grade in PSYC 360 or PSYC 362	Dr. Michael Diehr mdiehr@csusm.edu Phone: 760-566-6842 Office Hours: SBSB 3236 Tu/Th 12:15pm – 12:45pm Tu/Th 2:20pm – 2:50pm
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SCHEDULE: *Subject to change - check your CSUSM email and the course website regularly for updates.*

Wk	Dates	Topic	Readings	Exam/Assignment
1	Tu Jan 24 Th Jan 26	Introduction Introduction	KW1 KW1	
2	Tu Jan 31 Th Feb 02	Brain Evolution Brain Evolution	KW2, S3 KW2, S3	<i>Vocabulary Review</i>
3	Tu Feb 07 Th Feb 09	Nervous System Organization Nervous System Organization	KW3 KW3	
4	Tu Feb 14 Th Feb 16	Neurons & Neurotransmitters Neocortex	KW4 (85-86,103-113) KW5 (116-127,131-138) KW10	<i>Ex. 1: Brain Anatomy Lab</i> <i>Ex. 1: Brain Anatomy Lab</i>
5	Tu Feb 21 Th Feb 23	Neuroimaging Midterm Exam	KW7 (in 6 th Ed: Ch. 6)	<i>Review for Midterm</i> Midterm Exam
6	Tu Feb 28 Th Mar 02	Clinical Neuropsychology Lateralization	O1 KW11	
7	Tu Mar 07 Th Mar 09	Neuropsychological Assessment The WAIS-4 IQ Test	KW28, O2	
8	Tu Mar 14 Th Mar 16	Interpreting Results Interpreting Results	ZS3 ZS3	<i>Ex. 2: NP test Lab</i>
9	Tu Mar 21 Th Mar 23	Spring Break Spring Break		
10	Tu Mar 28 Th Mar 30	NP Test Examples NP Assessment Reports		<i>Ex. 3: Mental Status Exam</i>
11	Tu Apr 04 Th Apr 06	NP Assessment Reports NP Assessment Reports	Lezak 06 Lezak 06	<i>Begin Clinical report</i>
12	Tu Apr 11 Th Apr 13	Alzheimer's Disease Case: Sophie – Alzheimer's	KW27 (783-788) O17	<i>Writing Workshop</i>
13	Tu Apr 18 Th Apr 20	Parkinson's Disease Case: RJ – Parkinson's	KW27 (778-782) O15	<i>Writing Workshop</i>
14	Tu Apr 25 Th Apr 27	Learning & Memory Learning & Memory	KW18 KW18	Clinical Report Due
15	Tu May 02 Th May 04	Case: HM – Global Amnesia Case: HM – Global Amnesia	O3 O3	
16	Tu May 09 Th May 11	Huntington's Disease Case: Dr. Gilmer	KW27 (774-776)	
17	Tu May 16	Final Exam 1:45pm-3:45pm		Final Exam

Required Texts:

Kolb & Whishaw (2015), **Fundamentals of Human Neuropsychology**, 7th edition.

Ogden (2005), **Fractured Minds**, A Case-Study Approach to Clinical Neuropsychology, 2nd edition.

Readings:

KW = Kolb & Whishaw (2015).

O = Ogden (2005)

S = Sacks (2010) *The Mind's Eye*, Ch. 3, Ch. 4. (E-reserve)

ZS = Zillmer, Spiers & Culbertson (2008) *Principles of Neuropsychology*, Ch. 3. (E-reserve)

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Overview of the Course

Neuropsychology (NP) is an interdisciplinary study that relates brain systems to behavior, with a focus on syndromes of altered cognitive functioning seen in clinical illness and injury. First, we review the human nervous system, from neurons to cortex, covering philosophical and evolutionary theories, and the impact of modern neuroimaging. Next, we survey the major areas of cortical function and the assessment tools used by clinical neuropsychologists, ranging from motor ability to complex NP and IQ tests. Finally, we focus on clinical syndromes, using detailed case studies of real patients.

Writing Assignment

To meet the CSUSM writing requirement, students will write a ten-page (2500 word) clinical neuropsychological assessment report, in which they will use real and simulated patient data and write a clinical report describing the patient's history, symptoms, test results, diagnosis and prognosis.

Course Format:

Each session will consist of lecture, videos, and discussions based on the readings. Several Quiz and "Lab" exercises will be done in-class and cannot be made up if missed without valid excuse (see below). Quizzes will not be announced in advance, meaning it's important to do your reading before each class.

Components & Grading

The class will include these major components:

Item	Points
Quizzes and Exercises (6 @ 10 points each)	60
Midterm	100
Clinical Report	100
Final Exam	100
Attendance & Participation	40
Make-up assignment (optional, 10 points)	
Total	400

The course is graded using a traditional grading curve, in which 90% or above is an A. While it is possible that the curve would be adjusted up or down, this would only be done so with advance notice. Plus and Minus grades (e.g. A-, B+) are given. Feedback on your current point total and estimated grade will be provided regularly. There will be one optional make-up assignment worth 10 points.

Resources

Website: <http://csusm.diehr.com/psyc465>

Email: Checking your CSUSM email regularly is a requirement.

Office Hours: See above. No need to make an appointment, just stop by.

Phone: *During office hours I will answer. Leave voicemail if necessary. (Email is better).*

Policy

Attendance

Attendance and class participation are expected and count towards your grade: Every student may have up to two unexcused absences without penalty. Starting with the 3rd unexcused absence there will be a 10 point penalty per absence. *Students who have any absences in the first two weeks may be dropped from the course to make room for a student on the waitlist.*

Excused Absences

Death, serious illness or injury to student or immediate family member, with adequate documentation (doctor's note, police report, or note from the Dean's office) may be considered excused at instructor's discretion. Pre-arranged absences for religious, government or university-sanctioned reasons must be arranged with instructor *at least one week in advance*. When an absence is excused, instructor will either accept late work without penalty, or allow alternative assignment.

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Late Assignments

Instructor may, in some circumstances, accept late work. Late assignments will incur a one-letter-grade deduction per missed class session. If you show up *while a quiz is in progress*, you may be allowed to take the quiz in the time remaining, but will incur a one-letter-grade penalty.

Students with Disabilities

In compliance with federal ADA laws: If you have a need for any in-class accommodations, special test-taking arrangements, or help accessing any class materials because of a verified physical, cognitive, or perceptual limitation, please talk to the disabled students office first then contact me during the first two weeks of class.

Academic Honesty

Cheating or plagiarism (presenting the words or ideas of others as your own) or falsification of data will result in failure of the assignment, possible failure of the course, and notification of the offense to the University. Students are expected to abide by the CSUSM Student Academic Honesty Policy; the instructor will abide by the procedures for reporting violations. Details:

http://www.csusm.edu/policies/active/documents/academic_honesty.html Please refer to the APA Style Manual for instructions on how to cite your sources.

Course Catalog Description

Psyc 465 (3) Human Neuropsychology - Principles and practice of human neuropsychology. Material will focus upon basic topics, theory and empirical research concerning human neuroanatomy, brain-behavior relationships, and the clinical application of this knowledge base. Major emphasis will be placed upon disorders of the central nervous system which affect cognitive and emotional processes. Prerequisite: PSYC 360 or 362 must be completed with a grade of C (2.0) or better.

Student Learning Outcomes (SLOs) – Psychology 465

For Psychology Majors

PSLO1: Describe the major concepts theories, empirical findings, historical trends in psychology and their application to behavioral and mental processes. PSLO3: Apply creative and critical thinking and employ skeptical inquiry to addressing issues and solving problems related to psychological phenomenon. PSLO4: Demonstrate the ability to independently locate, identify and critically evaluate scholarly literature in the discipline of psychology. PSLO5: Thoughtfully consider and appraise alternative viewpoints, diverse socio-cultural perspectives and ethical issues related to psychological topics.

Specific Targets

To meet these SLOs: students will review basic neuroscience, brain evolution, neuroimaging, brain disorders, neuropsychological assessment and IQ testing, estimation of premorbid functioning and review of normative statistics. Application of skills we be demonstrated with a clinical assessment report based on patient history, mental status exam, and interpretation of psychological test data.

End of Syllabus.