

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
---	---

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

(Continued...)

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.

(Continued...)

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.