

California State University, San Marcos – Spring 2014 Syllabus  <b>PSYC 465: Human Neuropsychology</b> Section 01 - CRN 28766 – Tu/Th 2:30pm - 3:45pm – Academic Hall 302  Website: <a href="http://courses.csusm.edu/psyc465md">http://courses.csusm.edu/psyc465md</a>  <b>Prerequisites:</b> C or higher grade in PSYC 360 or PSYC 362	Dr. Michael Diehr <a href="mailto:mdiehr@csusm.edu">mdiehr@csusm.edu</a> Phone: 760-566-6842  Office Hours: SBSB 3234 Tu 950a-1130a, 350p-430p Th 1045a-1130a
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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 21	Introduction	KW1	
	Th Jan 23	Introduction	KW1	
2	Tu Jan 28	Brain Evolution	KW2, S3	
	Th Jan 30	Brain Evolution	KW2, S3	<i>Vocabulary Review</i>
3	Tu Feb 04	Nervous System Organization	KW3	
	Th Feb 06	Nervous System Organization	KW3	<i>Brain Anatomy Lab</i>
4	Tu Feb 11	Nervous System Organization	KW3	
	Th Feb 13	Neurons, Neurotransmitters	KW4 (82-84, 101-108) KW5 (110-117, 125-131)	
5	Tu Feb 18	Neuroimaging	KW6	
	Th Feb 20	Neocortex	KW10	
6	Tu Feb 25	<b>Midterm Exam</b>		<b>Midterm</b>
	Th Feb 27	Clinical Neuropsychology	O1	
7	Tu Mar 04	Lateralization	KW11	
	Th Mar 06	Neuropsychological Assessment	KW28, O2	
8	Tu Mar 11	NP Tests: WAIS-4 & others		
	Th Mar 13	Interpreting Results	ZS3	
9	Tu Mar 18	Interpreting Results	ZS3	<i>NP Test Lab</i>
	Th Mar 20	NP Test Examples		<i>NP Test Lab</i>
10	Tu Mar 25	NP Assessment Reports	Lezak 06	<i>Begin clinical report</i>
	Th Mar 27	Mental Status Exam		<i>Begin clinical report</i>
11	Tu Apr 01	<b>Spring Break</b>		
	Th Apr 03			
12	Tu Apr 08	Dementia: Alzheimer's Disease	KW27 (796-802)	
	Th Apr 10	Case: Sophie – Alzheimer's	O17	<i>Clinical Report Due</i>
13	Tu Apr 15	Dementia: Parkinson's Disease	KW27 (790-795)	
	Th Apr 17	Case: RJ – Parkinson's	O15	<b><i>Clinical Report Due</i></b>
14	Tu Apr 22	Learning & Memory	KW18	
	Th Apr 24	Learning & Memory	KW18	
15	Tu Apr 29	Case: HM – Global Amnesia	O3	
	Th May 01	Case: HM – Global Amnesia	O3	
16	Tu May 06	Dementia: Huntington's Disease	KW (786-788)	
	Th May 08	Case: Dr. Gilmer		
17	Tu May 13	<b>Final Exam</b> Tuesday 4pm-6pm		<i>Topics: see handout</i>
	Th May 15	<i>No class</i>		

#### Required Texts:

Kolb & Whishaw (2009), **Fundamentals of Human Neuropsychology**, 6<sup>th</sup> edition.

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

#### Readings:

KW = Kolb & Whishaw (2009)

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)

## 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 "Lab" exercises will be done in-class. These are not graded, but serve to reinforce your skills and learning.

## Components & Grading

The class will include these major components:

Item	Points
Pop Quizzes (2 @ 10 points each)	20
Midterm	100
Clinical Report	70
Final Exam	100
Attendance & Participation Bonus	10
<b>Total</b>	<b>300</b>

There will be two multiple-choice pop quizzes given with no warning, so be sure to do all reading prior to class. (I won't give the pop quizzes the first week of class). Midterm and Final exams will be multiple-choice, closed notes. The course is graded on a curve, so you may not need to get 90% for an A. Plus and Minus grades (e.g. A-, B+) are given. Feedback on your current point total and estimated grade will be provided regularly.

## Resources

Website: <http://courses.csusm.edu/psyc336md>

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. I prefer you send email, but if you can't then leave voicemail.*

## Policy

### Attendance

This class makes heavy use of in-class videos and discussions; Attendance and class participation are expected and count towards your grade. When attendance is taken, only those present on time will be counted. A bonus of 10 points will be given for students who regularly contribute to discussions and have fewer than 2 unexcused absences.

### 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.

### 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 deduction.

### 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](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.

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## **Student Learning Outcomes (SLOs) – Psychology 465**

### *General Expectations*

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 will be demonstrated with a clinical assessment report based on patient history and psychological test data.