

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