

# Neuropsychology

PSY/NSC/CGS 4385 Fall 2017

**Instructor:** Kristen Kennedy, PhD

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**Office:** JO 3.308

**Office Hours:** Thurs 1:30-2:30 or by appointment

**Class Meets:** Tuesdays and Thursdays, 11:30 am -12:45 pm

**Class Location:** CRA 12.110

**Teaching Assistant:** Chen Gonen, [cxg171430@utdallas.edu](mailto:cxg171430@utdallas.edu); **TA Office:** GR 4.608; **Office Hours:** Tu 10:00-11:00

**Course Description:** This undergraduate course will be a comprehensive introduction to human neuropsychology structured to provide students with a basic understanding of the relationship between brain and behavior. Topics covered will include foundations of neuropsychology, structure of the nervous system, functional specialization of the brain, cognitive functions, assessments and presentations of brain disorders.

**Course Pre-requisites, Co-requisites, and/or Other Restrictions:** Behavioral Neuroscience (NSC 3361) is a pre-requisite. Students are expected to have background knowledge of basic neuroscience concepts before the course begins.

**Course Objectives:** Upon successful completion of this course, students will be able to:

1. Recognize the organization of the nervous system;
2. Identify the structure of major brain systems and their associated cognitive functions;
3. Integrate principles toward the understanding of brain disorders.

## Required Textbooks:

- Kolb & Wishaw, (2015) *Fundamentals of Human Neuropsychology*, 7th Edition, Worth Publishers. ISBN-10: 1-3190-1715-0 / ISBN-13: 978-1-3190-1715-6

## Suggested Resources:

Online access to LaunchPadSolo provided by Worth/MacMillan HigherEd is available with purchase of the textbook (<http://www.macmillanhighered.com/launchpadsolo/neurotk>). The website includes interactive tutorials on concepts of behavioral neuroscience and neuroanatomy review/quiz, and I *highly* recommend you make use of it.

## Proposed Class Schedule and Topic Covered

Aug 22	Course and Syllabus overview, Presentation sign-ups
Aug 24	Neuropsychological Assessments (Chapter 28)
Aug 29	Development of Neuropsychology (Chapter 1)
Aug 31	Origins of Brain and Behavior (Chapter 2)
Sep 5	Organization of the Nervous System (Chapter 3)
Sep 7	Brain Imaging (Chapter 7)
<b>Sep 12</b>	<b>EXAM 1 (Chapters 28, 1, 2, 3, 7)</b>
Sep 14	Cerebral Asymmetry and Its Variations (Chapters 11 & 12)
Sep 19	Occipital Lobes (Chapter 13)
Sep 21	Parietal Lobes (Chapter 14)
Sep 26	Temporal Lobes (Chapter 15)
Sep 28	Frontal Lobes (Chapter 16)
<b>Oct 3</b>	<b>EXAM 2 (Chapters 11, 12, 13, 14, 15, 16)</b>
Oct 5	Learning and Memory (Chapter 18)
Oct 10	Language (Chapter 19)
Oct 12	Emotion (Chapter 20)
Oct 17	Spatial Behavior (Chapter 21)

Oct 19	Attention and Consciousness (Chapter 22)
<b>Oct 24</b>	<b>EXAM 3 (Chapters 18, 19, 20, 21, 22)</b>
Oct 26	Cortical Networks and Disconnection Syndromes (Chapter 17)
Oct 31	Development and Plasticity (Chapter 23)
Nov 2	Developmental Disorders (Chapter 24)
Nov 7	Assessments of Developmental Disorders (Chapter 24 cont'd)
Nov 9	Plasticity, Recovery, and Rehabilitation of the Adult Brain (Chapter 25)
Nov 14	<i>Guest presentation on Addiction and Addiction Recovery</i>
Nov 16	Plasticity, Recovery, and Rehabilitation of the Adult Brain (Chapter 25)
Nov 21	Neurological Disorders (Chapter 26)
Nov 23	----- <i>Fall Break/Thanksgiving – No Class</i> -----
Nov 28	Assessments of Neurological Disorders (Chapter 26 cont'd)
Nov 30	Psychiatric Disorders (Chapter 27)
Dec 5	Assessments of Psychiatric Disorders (Chapter 27 cont'd)
<b>Final Exam: To be announced by university (Chapters 17, 23, 24, 25, 26, 27).</b>	

**Grading Policy:**

90 – 100 = A

80 – 89.4 = B

70 – 79.4 = C

60 – 69.4 = D

50 – 59.4 = F

There will be four exams worth 90% of the final grade. In lieu of extra credit, you will be allowed to drop the lowest exam score, thus your grade is based on the average of your three highest exam scores. The other 10% of the course grade is based on presentation of an article from covered chapters of the textbook reference section (e.g., a patient case report) (5 min presentation). Class attendance is expected. Lectures are given in class. If you miss a class, you are responsible for obtaining lecture notes from another student in the class. Students are expected to arrive on time, participate, and to respect the classroom atmosphere by turning off electronic communication devices (no texting, cell phones or video gaming in class!).

Do not miss exam days! Make-up exams will only be allowed if: (a) you were seriously ill and have verifiable documentation from a physician, or (b) you were detained the day and time of the exam, or (c) you made arrangements prior to the exam to attend to an urgent matter (e.g., funeral). A missed exam will be counted as the lowest grade and thus the score to be dropped. No other extra credit options will be entertained.

**UT Dallas Syllabus Policies and Procedures**

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

**Student Conduct and Discipline:**

The University of Texas System and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the UT Dallas printed publication, A to Z Guide, which is available to all registered students each academic year.

The University of Texas at Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the Rules and Regulations, Series 50000, Board of Regents, The University of Texas System, and in Title V, Rules on Student Services and Activities of the university's Handbook of Operating Procedures. Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations (SU 1.602, 972/883-6391) and online at <http://www.utdallas.edu/judicialaffairs/UTDJudicialAffairs-HOPV.html>.

A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to obey federal, state, and local laws as well as the Regents' Rules, university regulations, and administrative rules. Students are subject to discipline for violating the standards of conduct whether such conduct takes place on or off campus, or whether civil or criminal penalties are also imposed for such conduct.

Students are expected to be attentive during class and to participate actively in group activities. Students are expected to listen respectfully to faculty and to other students who are speaking. Racism, sexism, homophobia, classism, ageism, and other forms of bigotry are inappropriate to express in class. Classes may discuss issues that require sensitivity and maturity. Disruptive students will be asked to leave and may be subject to disciplinary action.

**Academic Integrity:** The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

**Scholastic Dishonesty:** Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, submitting for credit any work or materials that are attributable in whole or in part to another person, taking an examination for another person, or any act designed to give unfair advantage to a student or the attempt to commit such acts.

**Plagiarism,** especially from the web, from portions of papers for other classes, and from any other source, is unacceptable and will be dealt with under the university's policy on plagiarism (see general catalog for details). This course will use the resources of turnitin.com, which searches the web for possible plagiarism and is over 90% effective.

**Disability Services:** It is the policy and practice of The University of Texas at Dallas to make reasonable accommodations for students with properly documented disabilities. However, written notification from the Office of Student AccessAbility (OSA) is required. If you are eligible to receive an accommodation and would like to request it for a course, please discuss it with an OSA staff member and allow at least one week's advanced notice. Students who have questions about receiving accommodations, or those who have, or think they may have, a disability (mobility, sensory, health, psychological, learning, etc.) are invited to contact the Office of Student AccessAbility for a confidential discussion. The primary functions of the Office of Student AccessAbility are to provide: 1) academic accommodations for students with a documented permanent physical, mental or sensory disability, 2) non-academic accommodations, 3) resource and referral information and advocacy support as necessary and appropriate. OSA is located in the Student Services Building, suite 3.200. They can be reached by phone at (972) 883-2098, or by email at [disabilityservice@utdallas.edu](mailto:disabilityservice@utdallas.edu).

***The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.***