PSYCHOLOGY 516 - HUMAN CLINICAL NEUROANATOMY
Spring, 2013

Instructor: Michelle Y. Kibby, Ph.D.
Office: LSII 222E
Phone: 453-2872 (E-mail: mkibby@siu.edu)
Class Time: Lecture: Thursdays – 2-5; Wetlab: Thursdays 10-11
Place: Lecture: LSII 285D; Wetlab: TA will escort you
Office Hours: TBA

A. Objectives

In this course you will learn human neuroanatomy using a wetlab*, text, and images. This course also will cover the functional organization of the brain and spinal cord, including the sensory and motor systems. In addition, you will learn about the various structures involved in higher cortical functions and what often happens when damage occurs to these structures.
*Takes place in a cadaver lab, with cadavers in it.

B. Required texts

1) Kolb and Wishaw, *Fundamentals of Human Neuropsychology*, 6th ed., 2009. Worth.
2) Nolte and Angevine, *The Human Brain In Photographs and Diagrams*, 3rd ed., 2007. Mosby.

C. Recommended text

1) Nolte, *The Human Brain*, 6th ed., 2009. Mosby.
This is a supplemental text (focus only on what is covered in class, to the same depth as class). It's more helpful for the first ½ of the course.

D. Evaluation

There will be 4 tests in this course. Two of the tests will cover neuroanatomy and will utilize human brains and images. Two of the tests will be essay exams based upon the lecture and text. You will be given most of the possible essay questions in advance. *Please answer these questions as we go along*, so you can ask questions about them in class as we cover them if anything is unclear. Answering them as we go along also will provide you with more time to memorize the answers when studying for the tests. Please be sure to thoroughly answer each question.

The two neuroanatomy exams will be worth 30% of your grade (15% each). The two essay tests will be worth 70% of your grade (35% each). ***Please bring lined paper for the essay exams.***

E. Grading scale

90% and above is an A; 80 to 89% is a B; 70 to 79% is a C, and so on...

F. Attendance

Regular attendance is expected since this is a graduate-level course (do not skip class to study, work on thesis, etc.). Please let me know in advance if you need to miss class for a conference. As this course will cover a great deal of material rather quickly, please obtain the notes from a classmate if you have to miss class due to illness or conference.

G. Emergency Procedures

Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on the BERT'S website at www.bert.siu.edu, Department of Public Safety's website www.d~s.siu.edu (disaster drop down) and in the Emergency Response Guidelines pamphlet. Know how to respond to each type of emergency. Instructors will provide direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

H. Course schedule

Date	**Topic**	**K & W**	**N & A**	**Nolte**
*January 17	wetlab: *this ½ of the course covers SC, BS, CNs, cerebellum, and interior hemispheres*			
January 17	Overview	3	1 & 9	1, 3-6, 12, 16
January 24	Overview cont.			
January 31	Neurons and synapses		4 & 5	7 & 8
February 7	Sensory systems I	8	2, 3, & 8	9, 10, 11, 13, 15
February 14	Sensory systems II			14 & 17
February 21	Motor systems	9	2, 3, & 8	18-20
*February 28	**wetlab exam (will go > 1 hour)**			
February 28	Motor systems cont.			
*March 7	wetlab: *this ½ of the course covers gyri/sulci on all brain surfaces*			
March 7	**Midterm** *covers lecture/text from Jan. 17 to Feb. 28*			
March 21	Cortical overview & Occipital lobes	10 & 13	1	22
March 28	Parietal lobes/spatial behavior	14 & 21		
April 4	Parietal lobes/spatial behavior cont.			
April 11	Temporal lobes and language	15 & 19		
April 18	Temporal lobes/language cont.			
April 25	Frontal Lobes	16		
*May 2	**wetlab exam (will go > 1 hour)**			
May 2	Brain development and plasticity	23		2
Finals week	**Final** *covers lecture/text from March 21 to May 2*			

The Final will be at the time scheduled by SIU (Wed. 3:10) unless there is a unanimous class vote to move it to another time/day.

*We will have wetlab *every* Thursday. When wetlab is included above, it is to let you know what it will be on for that ½ of the semester or to let you know when the tests are. Nonetheless, *we will have wetlab each Thursday except for spring break.*