YORK UNIVERSITY FACULTY OF HEALTH DEPARTMENT OF PSYCHOLOGY

PSYC 3250 3.0, Section M Neural Basis of Behaviour

Winter 2015 Wednesday 11:30 a.m. – 2:30 p.m. Building / Room: **R S 137**

COURSE DETAILS

Instructor	Dr. R. Shayna Rosenbaum	Email: shaynar@yorku.ca	
Office Hours	By appointment Behavioural Science Building, Room 216 Office phone: 416.736.2100 x20449 (email preferred)		
Teaching Assistant	Steven Baker	Email: bakerst@yorku.ca	
Reading Materials	Banich, M.T. & Compton, R.J. (2011). <i>Cognitive Neuroscience</i> , 3 rd edition. New York: Wadsworth, Cengage Learning, USA		
Course Description:	This course will review the neural bases of behaviour, with an emphasis on human cognitive function and dysfunction. Initial lectures will consist of a general introduction to neuroanatomy, cortical organization, and methods used by cognitive neuroscientists. These will be followed by lectures focusing on specific areas of cognitive functioning and related disorders (e.g., attention & neglect; memory & amnesia; language & aphasia, etc). Case reports will be used to illustrate key points. Students will explore findings from cognitive, neuropsychology, and neuroimaging studies to understand the relationships between brain, behaviour, and cognitive function. *Prerequisites: AK/AS/HH/SC/PSYC 1010 6.00 or AK/HH/PSYC 2410 6.00, with a minimum grade of C; AK/AS/HH/SC/PSYC 2240 3.00 or AK/HH/PSYC 3145 3.00. Course credit exclusion: None.		
Evaluation:	Term Paper 20% Final Exam 45% *Late assignments will not be accepted	(February 18, 2015) (Due: <u>Beginning</u> of the last class, April 1, 2015)* (IN EXAM PERIOD) d. See policy for missed tests/paper deadlines below. See without receiving a grade on your transcript is	

ACADEMIC POLICIES

Missed Tests / Term Paper deadlines

1. Appropriate documentation verifying the circumstances for the missed test, exam, or term paper deadline must be provided within <u>one week</u> (7 calendar days) of the missed exam. Failure to provide appropriate documentation will result in a grade of 0. One of the following forms of documentation stating the reason for missing the test, exam or term paper deadline MUST be provided:

- (A) Tests, exams, or term paper deadlines missed for <u>medical reasons</u> must be supported by an Attending Physician's Statement. The Attending Physician's Statement must:
- (i) Include the full name, mailing address and telephone number of the physician
- (ii) State the nature of the illness and its duration and
- (iii) Include a statement that the illness and/or treatment would have SERIOUSLY affected the student's ability to study and perform over the period in question, not just that they were ill and were seen by a doctor. Notes without such wording will not be accepted.

NOTE: The instructor, TA, and/or psychology undergraduate office will follow-up on medical notes. Falsification of any documentation relating to absence from an exam or course assignment is a serious academic offence (see "Academic Policies" below).

- (B) Tests or exams missed for <u>non-medical reasons</u> must be supported by appropriate documentation (i.e., copy of a death certificate, automobile accident report, etc.) Pre-booked travel is not a reasonable excuse for missing a test or exam.
- 2. In the case of a missed test or term paper deadline that is justified as per 1A or 1B above, the grade component will be distributed to the final exam.

Academic Policies

Students must familiarize themselves with the Senate Committee on Curriculum & Academic Standards webpage:

http://www.yorku.ca/academicintegrity/students/index.htm

Further information can be found here:

http://www.yorku.ca/secretariat/policies/document.php?document=69

See also the Department of Psychology Supplemental Calendar and the York University Academic Integrity website for information on plagiarism, cheating and other forms of academic dishonesty. For example:

http://www.yorku.ca/academicintegrity/students/index.htm

Please also complete the tutorial on academic integrity: http://www.yorku.ca/tutorial/academic integrity/

http://www.yorku.ca/secretariat/senate/committees/ascp/index-ascp.html

- Senate Policy on Academic Honesty and the Academic Integrity Website
- Ethics Review Process for research involving human participants
- Course requirement accommodation for students with disabilities, including physical, medical, systemic, learning and psychiatric disabilities
- Student Conduct Standards
- Religious Observance Accommodation

Policy Regarding E-mail

All email correspondence to the TA or to Dr. Rosenbaum must include the course code (PSYC 3250) in the subject-heading to prevent messages from being filtered as spam, and close with your full name and student number (e.g., "Jennifer Jones, 867530986"). Most correspondence should be directed to the TA first. A response from Dr. Rosenbaum can be expected within 48 hours, not including weekends. Please re-send your message if you do not receive a reply within this timeframe. Before contacting Dr. Rosenbaum, please reread the syllabus carefully to determine if it answers your question.

COURSE OUTLINE			
DATE	TOPIC	READINGS	
January 7, 2015	Introduction to studying the neural basis of behaviour (History, Approaches, & Methods)	Readings: - Chapter 3 pp. 51-88	
January 14, 2015	Brain Structure & Function (Introduction to basic neuroanatomy)	Readings: - Chapter 1: 2-30; - Chapter 2: 39-50	
January 21, 2015	Object & Face Perception (The Agnosias)	Readings: - Chapter 6 pp. 145-165 - Chapter 7 pp. 178-207	
January 28, 2015	Implicit & Explicit Memory (Amnesic Syndromes)	Readings: - Chapter 10 pp. 265-301	
February 4, 2015	Remote Memory & Spatial Cognition (Retrograde Amnesia & Topographical Disorientation)	Readings: - Chapter 8 pp. 208-230	
February 11, 2015	Term Test (2 hours)	No readings	
February 18, 2015	Reading Week)	No readings	
February 25, 2015	Language & Reading (Aphasic Syndromes)	Readings: - Chapter 9 pp. 231-264	
March 4, 2015	Attention & Awareness (Neglect Syndromes)	Readings: - Chapter 11 pp. 302-335	
March 11, 2015	Executive Function (Frontal Lobe Syndromes)	Readings: - Chapter 12 pp. 336-364	
March 18, 2015	Emotion & Social Cognition (Affective Disorders)	Readings: - Chapter 13 pp. 365-394	
March 25, 2015	Neurodevelopment & Aging (Dementias) Guest Lecture: Dr. Dale Stevens	<u>Readings:</u> - Aging: 459-464 - Dementia: 471-488	
April 1, 2015 (TERM PAPER DUE)	Case Discussions Course Review	Course Review No readings assigned	

Resources

A number of valuable resources are available to students at York University.

Importantly, this includes the Writing Center. Please visit the website: http://www.yorku.ca/laps/writ/centre/

York University also offers both academic and crisis counseling services. For information, visit the Counseling and Development Centre website: http://www.yorku.ca/cds/

Please inform the instructor as soon as possible if there are extenuating circumstances that may interfere with the successful completion of the course requirements in order to make appropriate arrangements.