

**YORK UNIVERSITY
FACULTY OF HEALTH
DEPARTMENT OF PSYCHOLOGY**

**PSY3250 3.0
Neural Basis of Behaviour**

**Winter 2014
Tuesday 8:30-11:30 a.m.
Building / Room: **CLH G****

COURSE DETAILS

Instructor	Dr. G. Turner	Email: grturner@yorku.ca						
Office Hours	Tuesdays, 12:00-1:00pm Room 244 BSB Office phone: 416.736.2100 x33538 [BUT email is preferred]							
Teaching Assistant	Tina Weston	westont@yorku.ca						
Reading Materials	Banich, M.T. & Compton, R.J. (2011). <i>Cognitive Neuroscience, 3rd edition</i> . New York: Wadsworth, Cengage Learning, USA							
Course Description:	<p>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 and neglect; memory and amnesia; language and aphasia etc). Case reports will be used to illustrate key points and students will be required to examine the relationships between brain, behaviour and cognitive function using a case-based approach.</p> <p><i>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.</i></p>							
Evaluation:	<table> <tr> <td>Term Test</td> <td>35% (February 11, 2014)</td> </tr> <tr> <td>Term Paper</td> <td>20% (Due: Beginning of class, March 25, 2014) *</td> </tr> <tr> <td>Final Exam</td> <td>45% (IN EXAM PERIOD)</td> </tr> </table> <p>* Late assignments will not be accepted. See policy for missed tests/paper deadlines below.</p> <p>Note: The last day to drop the course without receiving a grade on your transcript is <u>MARCH 07, 2014.</u></p>		Term Test	35% (February 11, 2014)	Term Paper	20% (Due: Beginning of class, March 25, 2014) *	Final Exam	45% (IN EXAM PERIOD)
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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:
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(A) Tests, exams or term paper deadlines missed for medical reasons must be supported by an Attending Physician's Statement. The Attending Physician's Statement must include (i) the full name, mailing address and telephone number of the Physician, (ii) state the nature of the illness and its duration and (iii) 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.

(B) Tests or exams missed for non-medical reasons 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 Guidelines

All students are expected to familiarize themselves with the following information, available on the Senate Committee on Academic Standards, Curriculum & Pedagogy webpage (see Reports, Initiatives, Documents)

http://www.yorku.ca/secretariat/senate_cte_main_pages/ASCP.htm

<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

COURSE OUTLINE

DATE	TOPIC	READINGS
Jan. 07, 2014	Introduction to studying the neural basis of behaviour (Approaches & Methods)	<u>Readings:</u> - Chapter 3 pp. 51-88
Jan. 14, 2014	Brain Structure & Function (Introduction to basic neuroanatomy)	<u>Readings:</u> - Chapter 1: 2-30; - Chapter 2: 39-46
Jan. 21, 2014	The Agnosias (Disorders of Sensory Functioning) Term-Paper Tutorial	<u>Readings:</u> - Chapter 6 pp. 145-176 - Chapter 7 pp. 178-187
Jan. 28, 2014	The Apraxias (Disorders of Motor Control)	<u>Readings:</u> - Chapter 5 pp. 108-144
Feb. 04, 2014	Amnesic Syndromes (Memory Disorders)	<u>Readings:</u> - Chapter 10 pp. 265-301

Feb. 11, 2014 (TERM TEST)	Term Test (3 hours)	No readings
Feb 18, 2014	READING WEEK	See readings for next week (and start your term papers!)
Feb. 25, 2014	Aphasic Syndromes (Language Disorders)	<u>Readings:</u> - Chapter 9 pp. 231-264
March 04, 2014	Neglect Syndromes (Disorders of Attention)	<u>Readings:</u> - Chapter 11 pp. 302-335
March 11, 2014	Frontal Lobe Syndromes (Executive Dysfunction)	<u>Readings:</u> - Chapter 12 pp. 336-364
March 18, 2014	Affective Disorders (Neuropsychiatric Syndromes)	<u>Readings:</u> - Chapter 14 pp. 395-427
March 25, 2014 (TERM PAPER DUE)	Neurodevelopment and Aging	<u>Readings:</u> - Ageing: 459-463 - Dementia: 471-488
April 01, 2014	Syndrome Sleuthing Course Review	Course Review (no readings assigned)