

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

**PSYC 3250 3.0, Section M
Neural Basis of Behaviour**

**Winter 2016
Tuesday 11:30 a.m. – 2:30 p.m.
Building / Room: **Ross Bldg. / S137****

COURSE DETAILS

Instructor:	Dr. W. Dale Stevens	Email: stevensd@yorku.ca									
Office Hours:	By Appointment: Sherman Health Science Research Centre, Room 2036 Office phone: 416-736-2100 ext. 44662 [BUT PLEASE USE EMAIL]										
Teaching Assistant:	Steven Baker	Email: stevensonbaker+TA@gmail.com									
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 & 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.</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%</td> <td>(February 9, 2016)</td> </tr> <tr> <td>Term Paper</td> <td>20%</td> <td>(Due: Beginning of the last class, March 29, 2016) *</td> </tr> <tr> <td>Final Exam</td> <td>45%</td> <td>(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 4, 2016.</u></p>		Term Test	35%	(February 9, 2016)	Term Paper	20%	(Due: Beginning of the last class, March 29, 2016) *	Final Exam	45%	(IN EXAM PERIOD)
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ACADEMIC POLICIES

Missed Test / Exam / Term Paper Deadline:	<ol style="list-style-type: none"> 1. Students must email the instructor in advance of any missed test, exam, or term paper deadline if at all possible; otherwise, within 24 hours afterward. 2. Appropriate documentation (See A, B below) verifying the circumstances for the missed test, exam, or term paper deadline must be provided within <u>one week</u> (7 calendar days). Failure to provide appropriate documentation will result in a grade of 0.
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- A. Tests, exams, or term paper deadlines missed for medical reasons must be supported by an Attending Physician's Statement, which can be downloaded at the following link:
http://www.registrar.yorku.ca/pdf/attend_physician_statement.pdf

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
- (iii) Include a statement that the illness and/or treatment would have SERIOUSLY affected the student's ability to study or 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 verify all 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 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 legitimate excuse for missing a test, exam or term paper deadline.
3. In the case of a missed test or term paper deadline that is justified as per 2A or 2B above, the grade component will be redistributed 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>

<http://secretariat-policies.info.yorku.ca/>

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. Stevens 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. Stevens 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. Stevens, please reread the syllabus carefully to determine if it answers your question.**

COURSE OUTLINE

DATE:	TOPIC:	READINGS:
January 5, 2016	Introduction to studying the neural basis of behaviour (History, Approaches & Methods)	<u>Readings:</u> - Chapter 3: pp. 51-88
January 12, 2016	Brain Structure & Function (Introduction to basic neuroanatomy)	<u>Readings:</u> - Chapter 1: 2-30; - Chapter 2: 39-50
January 19, 2016	Object & Face Perception (The Agnosias)	<u>Readings:</u> - Chapter 6: pp. 145-165 - Chapter 7: pp. 178-207
January 26, 2016	Implicit & Explicit Memory (Amnesic Syndromes)	<u>Readings:</u> - Chapter 10: pp. 265-301
February 2, 2016	Remote Memory & Spatial Cognition Term-Paper Tutorial	<u>Readings:</u> - Chapter 8: pp. 208-230
February 9, 2016 (TERM TEST)	Term Test (2 hours)	No readings
February 23, 2016	Language & Reading (Aphasic Syndromes)	<u>Readings:</u> - Chapter 9: pp. 231-264
March 1, 2016	Attention & Awareness (Neglect Syndromes)	<u>Readings:</u> - Chapter 11: pp. 302-335
March 8, 2016	Emotion & Social Cognition (Affective Disorders)	<u>Readings:</u> - Chapter 13: pp. 365-394
March 15, 2016	Executive Function (Frontal Lobe Syndromes)	<u>Readings:</u> - Chapter 12: pp. 336-364
March 22, 2016	Neurocognitive Aging (Dementias)	<u>Readings:</u> - Chapter 15: pp. 459-464 - Chapter 16: pp. 471-488
March 29, 2016 (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.