

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

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

**Summer (S2) 2016
Tuesday & Thursday 11:30am– 2:30pm
Building / Room: **Accolade West / 305****

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]							
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>Midterm Test</td> <td>35% (July 14, 2016)</td> </tr> <tr> <td>Term Paper</td> <td>20% (Due: Beginning of class on July 28, 2016) *</td> </tr> <tr> <td>Final Exam</td> <td>45% (August 4, 2016)</td> </tr> </table> <p>* Late assignments will not be accepted. See policy for missed exams/tests/paper deadlines below.</p> <p><u>Note: The last day to drop the course without receiving a grade on your transcript is July 22, 2016.</u></p>		Midterm Test	35% (July 14, 2016)	Term Paper	20% (Due: Beginning of class on July 28, 2016) *	Final Exam	45% (August 4, 2016)
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ACADEMIC POLICIES

Missed Test / Exam / Term Paper Deadline:	<ol style="list-style-type: none"> 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. Appropriate documentation (See A, B below) verifying the circumstances for the missed test, exam, or term paper deadline must be provided within one week (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.cse.yorku.ca/~utn/attending_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 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 SPARK: Student Papers & Academic Research Kit webpage:

http://www.yorku.ca/spark/academic_integrity/index.html

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 Dr. Stevens must include the course code (PSYC-3250) in the subject line to prevent messages from being filtered as spam, and close with your full name and student number (e.g., "Jennifer Jones, 867530986"). 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(s).

COURSE OUTLINE

DATE:	TOPIC:	READINGS:
June 28, 2016	Introduction to studying the neural basis of behaviour (History, Approaches & Methods)	<u>Readings:</u> - Chapter 3: pp. 51-88
June 30, 2016	Brain Structure & Function (Introduction to basic neuroanatomy)	<u>Readings:</u> - Chapter 1: 2-30; - Chapter 2: 39-50
July 5, 2016	Object & Face Perception (The Agnosias)	<u>Readings:</u> - Chapter 6: pp. 145-165 - Chapter 7: pp. 178-207
July 7, 2016	Implicit & Explicit Memory (Amnesic Syndromes)	<u>Readings:</u> - Chapter 10: pp. 265-301
July 12, 2016	Remote Memory & Spatial Cognition Term-Paper Tutorial	<u>Readings:</u> - Chapter 8: pp. 208-230
July 14, 2016 (MIDTERM TEST)	Midterm Test (2 hours)	All prior readings
July 19, 2016	Language & Reading (Aphasic Syndromes)	<u>Readings:</u> - Chapter 9: pp. 231-264
July 21, 2016	Attention & Awareness (Neglect Syndromes)	<u>Readings:</u> - Chapter 11: pp. 302-335
July 26, 2016	Emotion & Social Cognition (Affective Disorders)	<u>Readings:</u> - Chapter 13: pp. 365-394
July 28, 2016 (TERM PAPER DUE)	Executive Function (Frontal Lobe Syndromes)	<u>Readings:</u> - Chapter 12: pp. 336-364
August 2, 2016	Neurocognitive Aging (Dementias)	<u>Readings:</u> - Chapter 15: pp. 459-464 - Chapter 16: pp. 471-488
August 4, 2016	Final Exam	All readings since Midterm Test

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.