

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

**PSY3495 3.0
Neuroscience of Aging and
Cognitive Health**

**Fall, 2013
THURS. 2:30 – 5:30 p.m.
Room: **HNE 038****

COURSE DETAILS

Instructor	Dr. G. Turner	Email: grturner@yorku.ca										
Office Hours	Thurs. 1-2 pm Room 244 BSB Office phone: 416.736.2100 x33538											
Teaching Assistants	Tina Weston* * Meetings by appointment	westont@yorku.ca										
Reading Materials	<ol style="list-style-type: none"> 1. Erber, Joan T. (2013). Aging and Older Adulthood, 3rd edition. Wiley Blackwell Publishing. United Kingdom 2. Snowdon, D. (2002). Aging with Grace. Bantum Books. New York, USA. 											
Course Description:	<p>This course investigates the neural basis of cognitive changes across the adult lifespan. Students will learn how the brain is altered in structure and function as people age and how these changes impact cognition. The course will examine the border between normal and abnormal aging and how neuroscience research is informing strategies to sustain cognitive health into older adulthood.</p> <p><i>Prerequisites: HH/PSYC 1010 6.00 or AK/PSYC 2410 6.00 with a minimum grade of C; HH/PSYC 2240 3.00.</i></p>											
Evaluation:	<table border="0"> <tr> <td>Midterm Test</td> <td>35% (October 17, 2013)</td> </tr> <tr> <td>Term Paper</td> <td>20% (Due: Beginning of class, November 28, 2013) *</td> </tr> <tr> <td>'Book Club' & Online Discussion Questions</td> <td>10% (Online forums run from October 24 – November 14)</td> </tr> <tr> <td>Intervention WIKI posting</td> <td>10% (Online forums run from October 24 – November 14)</td> </tr> <tr> <td>Final Exam</td> <td>25% (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>Friday, November 08, 2013.</u></p>		Midterm Test	35% (October 17, 2013)	Term Paper	20% (Due: Beginning of class, November 28, 2013) *	'Book Club' & Online Discussion Questions	10% (Online forums run from October 24 – November 14)	Intervention WIKI posting	10% (Online forums run from October 24 – November 14)	Final Exam	25% (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 one week (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 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.

(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 that is justified as per 1A or 1B above, the grade component will be distributed to the final exam.

IT IS A SERIOUS ACADEMIC OFFENCE TO PROVIDE FALSIFIED DOCUMENTS FOR MISSED EXAMS. VALIDITY OF PHYSICIAN STATEMENTS OR OTHER DOCUMENTS MAY BE CONFIRMED BY THE INSTRUCTOR



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

***** PLEASE ALWAYS CHECK MOODLE FOR
NEW READINGS IN EACH LECTURE FOLDER *****

DATE	TOPIC	READINGS
SEPTEMBER 12, 2013	INTRODUCTION TO AGING & COGNITIVE HEALTH	<p><u>Readings:</u> - Chapter 1: pp. 3-13; 23-32 - Lindenberger, U. et al. (2008). Psychological principles of successful</p>

		aging technologies: A mini-review. Gerontology 54. Pp. 59-68.
SEPTEMBER 19, 2013	METHODS & CHALLENGES IN AGING RESEARCH; BIOLOGICAL AGING	<u>Readings:</u> - Chapter 2: pp. 33-60 - Chapter 3: pp. 61-82 (top); 86-92
SEPTEMBER 26, 2013	NEUROCOGNITIVE AGING: SENSATION, PERCEPTION & ATTENTION	<u>Readings:</u> - Chapter 4: pp. 100-131
OCTOBER 03, 2013	NEUROCOGNITIVE AGING: MEMORY & HIGHER COGNITION	<u>Readings:</u> - Chapter 5: pp. 132-164 - Chapter 7: pp. 199-233
OCTOBER 10, 2013	NEUROCOGNITIVE AGING: MENTAL HEALTH & THE DEMENTIAS	<u>Readings:</u> - Chapter 11: pp. 329-360
 OCTOBER 17, 2013	MID-TERM TEST	<u>Readings:</u> NO READINGS
OCTOBER 24, 2013	COGNITIVE INTERVENTIONS; DEBATE PREP; MOODLE TUTORIAL	<u>Readings:</u> - Chapter 11: pp. 350-359
 OCTOBER 31, 2013 (NO CLASS)	CO-CURRICULAR DAYS NO CLASS	NO CLASS
NOVEMBER 07, 2013	ONLINE LECTURE, DISCUSSION FORUM & THOUGHT QUESTIONS	<u>Readings:</u> - Aging Gracefully - Discussion reading (Check Moodle)
NOVEMBER 14, 2013	ONLINE LECTURE, DISCUSSION FORUM & THOUGHT QUESTIONS	<u>Readings:</u> - Aging Gracefully - Discussion reading (Check Moodle)
NOVEMBER 21, 2013	ONLINE LECTURE, DISCUSSION FORUM & THOUGHT QUESTIONS	<u>Readings:</u> - Aging Gracefully - Discussion reading (Check Moodle)
 NOVEMBER 28, 2013 (TERM PAPERS DUE: BEGINNING OF CLASS)	COGNITIVE INTERVENTIONS THE GREAT DEBATE	<u>Readings:</u> - Debate prep materials on Moodle
DECEMBER 05, 2013	AGING GRACEFULLY: BOOK CLUB & COURSE REVIEW	No Readings