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Office: Humphrey 324  
Email: 7mw22@queensu.ca

Office Hours: Tuesdays 1:00-2:00  
Office Hours: Wednesdays 9:00-10:00

Text: Biopsychology (2006, 8th or 9th edition)  
JPJ Pinel  
Allyn and Bacon

EXAMS AND GRADING

<table>
<thead>
<tr>
<th>DATE</th>
<th>EXAM</th>
<th>MATERIAL COVERED</th>
<th>% OF FINAL MARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday, Feb 4</td>
<td>Midterm Exam I</td>
<td>Section 1 - Chapters 9, 10, 16 (general exam format, see below)</td>
<td>25%</td>
</tr>
<tr>
<td>Tuesday, Mar 11</td>
<td>Midterm Exam II</td>
<td>Section 2 - Chapters 12, 13, 14 (general exam format)</td>
<td>25%</td>
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<tr>
<td></td>
<td>Final Exam</td>
<td>Section 3 - Chapters 15, 17, 18 (general exam format)</td>
<td>25%</td>
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<tr>
<td></td>
<td></td>
<td>Chapters 9-18 (no Chapter 11) (multiple choice only)</td>
<td>25%</td>
</tr>
</tbody>
</table>

General exam format: Exams will consist of fill-in-the-blank, definitions, short answer and multiple-choice questions. Short answer and fill-in-the-blank questions cover material that is delivered during lectures. Any material in the text is fair game for a multiple choice question, regardless of whether was covered in lectures or not. Thus, YOU ARE RESPONSIBLE FOR ALL OF TEXT MATERIAL FROM THE ASSIGNED CHAPTERS, INCLUDING MATERIAL FROM PAGES THAT DO NOT APPEAR ON THE RECOMMENDED READING LIST. That list is purely meant to help you prepare for the lectures.

NOTE: There are **NO MAKEUP EXAMS FOR THE TWO MIDTERMS**. Excused absences (e.g., illness, family crisis) from the midterm must be documented. The weight of the missed midterm will be either 1) transferred to the final exam OR 2) 10% can be transferred to the other midterm and 15% to the final (this latter option has to be chosen before you write the final. Contact me by email and let me know your choice. If you do not contact me before the final then Option 1 will be applied when tabulating your final grade). Unexcused absences from a midterm will counts as 0.

For information regarding missed FINAL EXAMS, please read PSYC Departmental Policies for Missed Exams on the following page.
PSYC Departmental Policies

Missed Exams

Students who cannot write an exam during the December or April exam period due to a serious, extenuating circumstance (illness, death in the family) must follow the steps below to be eligible, and be available to write a deferred exam during the PSYC department’s Make up Exam period: January 13/14th, April 28/30th, or September 14/15, 2012.

1. Obtain permission from their instructor to write a deferred exam. This requires notifying your instructor in advance or, under extraordinary circumstances, within 72 hours after, the exam, with appropriate documentation. Please use the Request for an Exam Deferral form found on our website or from the UG office and attach your documentation.

2. Complete and return the instructor-signed Permission for an Incomplete Grade form available on the Arts and Science website and return it to the UG office.

   http://www.queensu.ca/artsci/sites/default/files/Permission_for_an_incomplete_grade%2021jan2011.pdf

3. Be available to write the makeup exam during the first available PSYC Make up Exam period: January 13/14th, April 28/30th, or September 14/15, 2012.

NOTE: Students who do not write the makeup exam are advised to drop the course. If a student cannot write the makeup exam due to a serious extenuating circumstance for which they can provide new documentation, they will either be granted a second deferral by their instructor or be supported in their appeal to drop the course after the deadline though this decision rests with the Associate Dean (Studies).

Accommodation after the fact

Once a student has written an exam or submitted an assignment, they may not subsequently be granted accommodation such as being offered a second opportunity to write the exam or assignment or have it count for less than originally specified in the course syllabus (rewighted).

Travel during exams

According to university regulations, students are expected to be available to write scheduled exams at any time during the official December and April examination periods as well as during any scheduled class times. Requests to write a make-up exam because of conflicting travel plans (e.g. flight bookings) or requests to miss an in class exam due to other plans will NOT be considered except under extraordinary circumstances. Students are advised to wait until the final exam schedules are posted before making any travel arrangements.

1 Appropriate documentation includes a signed letter from a registered health professional, Queens HC&DS, or documentation of a death such as a bulletin from a memorial service, obituary (newspaper or online) or funeral home letter. Official documents will be copied and originals returned to the student. Note that the PSYC department randomly checks document authenticity and that fraudulent documents will be grounds for a finding of a major departure from academic integrity.
MARKING SCHEME

Psych 370 will utilize a “Numbers In, Letters Out” marking scheme: You will be given a percentage (%) grade for the 1st and 2nd midterm exams (e.g., 92% and 89%). (Midterm marks will be posted on Moodle.) A percentage grade will be calculated for the final exam (e.g., 96%), and the 3 grades will be used to determine a weighted average (e.g., \[0.25 \times 92 + 0.25 \times 89 + 0.50 \times 96\] = a weighted average of 93.25). The final % grade will then be converted to a letter grade (e.g., 93.25% = A+ ; ☺).

The final grade you receive for the course will be derived by converting your numerical course average to a letter grade, according to Queen’s Official Grade Conversion Scale.

Queen’s Official Grade Conversion Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Numerical Course Average (Range)</th>
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<tbody>
<tr>
<td>A+</td>
<td>90-100</td>
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<tr>
<td>A</td>
<td>85-89</td>
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<tr>
<td>A-</td>
<td>80-84</td>
</tr>
<tr>
<td>B+</td>
<td>77-79</td>
</tr>
<tr>
<td>B</td>
<td>73-76</td>
</tr>
<tr>
<td>B-</td>
<td>70-72</td>
</tr>
<tr>
<td>C+</td>
<td>67-69</td>
</tr>
<tr>
<td>C</td>
<td>63-66</td>
</tr>
<tr>
<td>C-</td>
<td>60-62</td>
</tr>
<tr>
<td>D+</td>
<td>57-59</td>
</tr>
<tr>
<td>D</td>
<td>53-56</td>
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<tr>
<td>D-</td>
<td>50-52</td>
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<tr>
<td>F</td>
<td>49 and below</td>
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<tr>
<td>Date</td>
<td>Topic</td>
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<tr>
<td>Tuesday, Jan 7</td>
<td>Introductory Lecture - Course Overview</td>
</tr>
<tr>
<td>Wednesday, Jan 8</td>
<td>Development of the Nervous System: - prenatal neurodevelopment</td>
</tr>
<tr>
<td>Friday, Jan 10</td>
<td>Development of the Nervous System: - postnatal development</td>
</tr>
<tr>
<td>Tuesday, Jan 14</td>
<td>Development of the Nervous System - disorders of neurodevelopment (FAS)</td>
</tr>
<tr>
<td>Wednesday, Jan 15</td>
<td>Lateralization, Language &amp; the Split Brain: - the split brain</td>
</tr>
<tr>
<td>Friday, Jan 17</td>
<td>Brain Damage and Neuroplasticity - causes of brain damage</td>
</tr>
<tr>
<td>Tuesday, Jan 21</td>
<td>Brain Damage and Neuroplasticity - neuropsychological diseases: epilepsy</td>
</tr>
<tr>
<td>Wednesday, Jan 22</td>
<td>Class Cancelled – recommended lectures online (NOT REQUIRED)</td>
</tr>
<tr>
<td></td>
<td>Lecture 1 — Mapping Memory in the Brain, by Eric R. Kandel, M.D.</td>
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<tr>
<td></td>
<td>Lecture 2 — Building Brains: The Molecular Logic of Neural Circuits, by Thomas M. Jessell, Ph.D.</td>
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<tr>
<td>Friday, Jan 24</td>
<td>Brain Damage and Neuroplasticity - neuropsychological diseases: Huntington’s</td>
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<tr>
<td>Tuesday, Jan 28</td>
<td>Brain Damage and Neuroplasticity - neuropsychological diseases: Parkinson's disease</td>
</tr>
<tr>
<td>Wednesday, Jan 29</td>
<td>Brain Damage and Neuroplasticity - neuropsychological diseases: Alzheimer’s</td>
</tr>
<tr>
<td>Friday, Jan 31</td>
<td>Brain Damage and Neuroplasticity - neuroplastic responses to nervous system damage</td>
</tr>
<tr>
<td>Tuesday, Feb 4</td>
<td>MIDTERM EXAM 1 - BRAIN PLASTICITY</td>
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## SECTION 2 - MOTIVATION

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Pages</th>
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<tbody>
<tr>
<td>Wednesday, Feb 5</td>
<td><strong>Hunger, Eating, and Health:</strong></td>
<td>Chapter 12: Pages 299-308; 314-318</td>
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<tr>
<td></td>
<td>- digestion and energy flow; theories of</td>
<td></td>
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<tr>
<td></td>
<td>hunger, eating and body weight regulation</td>
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<tr>
<td>Friday, Feb 7</td>
<td><strong>Hunger, Eating, and Health:</strong></td>
<td>Chapter 12: Pages 309-311</td>
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<tr>
<td></td>
<td>- neural regulation of hunger and satiety</td>
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<td>Tuesday, Feb 11</td>
<td><strong>Hunger, Eating, and Health:</strong></td>
<td>Chapter 12: Pages 318-322</td>
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<tr>
<td></td>
<td>- obesity</td>
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<td>Wednesday, Feb 12</td>
<td><strong>Hunger, Eating, and Health:</strong></td>
<td>Chapter 12: Pages 322-325</td>
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<tr>
<td></td>
<td>- eating disorders: anorexia</td>
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<tr>
<td>Friday, Feb 14</td>
<td><strong>Hormones and Sex</strong></td>
<td>Chapter 13: Pages 328-333</td>
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<tr>
<td></td>
<td>- the neuroendocrine system</td>
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<td>Feb 17 - 21</td>
<td><strong>READING WEEK</strong></td>
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<tr>
<td>Tuesday, Feb 25</td>
<td><strong>Hormones and Sex</strong></td>
<td>Chapter 13: Pages 333-343</td>
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<tr>
<td></td>
<td>- hormones and sexual development</td>
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<td></td>
<td>- disorders of sexual development</td>
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<tr>
<td>Wednesday, Feb 26</td>
<td><strong>Hormones and Sex</strong></td>
<td>Chapter 13: Pages 348-350</td>
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<tr>
<td></td>
<td>- neural regulation of sexual behavior</td>
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<td>Friday, Feb 28</td>
<td><strong>Sleep, Dreaming, and Circadian Rhythms:</strong></td>
<td>Chapter 14: Pages 348-360</td>
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<tr>
<td></td>
<td>- the physiology of sleep; theories of sleep</td>
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<td>Tuesday, Mar 4</td>
<td><strong>Sleep, Dreaming, and Circadian Rhythms:</strong></td>
<td>No readings</td>
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<tr>
<td></td>
<td>- sleep, learning and memory</td>
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<td>Wednesday, Mar 5</td>
<td><strong>Sleep, Dreaming, and Circadian Rhythms:</strong></td>
<td>Chapter 14: Pages 366-373</td>
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<td>- the circadian clock; neural mechanisms of sleep</td>
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<tr>
<td>Friday, Mar 7</td>
<td><strong>Sleep, Dreaming, and Circadian Rhythms:</strong></td>
<td>Chapter 14: Pages 375-377</td>
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<tr>
<td></td>
<td>- sleep disorders</td>
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<td>Tuesday, Mar 11</td>
<td><strong>MIDTERM EXAM II - MOTIVATION</strong></td>
<td>Chapters 12 – 14</td>
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<td>Date</td>
<td>Topic</td>
<td>Readings</td>
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<td>Wednesday, Mar 12</td>
<td>Drug Addiction and the Brain’s Reward Circuits</td>
<td>Chapter 15: Pages 384-389</td>
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<tr>
<td></td>
<td>- basic principles of drug action</td>
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<td></td>
<td>- role of learning in drug tolerance and withdrawal</td>
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<tr>
<td>Friday, Mar 14</td>
<td>Drug Addiction and the Brain’s Reward Circuits</td>
<td>Chapter 15: Pages 399-409</td>
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<tr>
<td></td>
<td>- biopsychological theories of addiction</td>
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<td>- drug addiction and the brain’s reward system</td>
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<tr>
<td>Tuesday, Mar 18</td>
<td>Drug Addiction and the Brain’s Reward Circuits</td>
<td>No readings</td>
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<td>- chronic drug abuse-induced changes in brain</td>
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<td>Wednesday, Mar 19</td>
<td>Biopsychology of Emotion, Stress, and Health:</td>
<td>Chapter 17: Pages 435-436</td>
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<tr>
<td></td>
<td>- the stress response</td>
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<td>- stress and the hippocampus</td>
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<td>Friday, Mar 21</td>
<td>Biopsychology of Emotion, Stress, and Health:</td>
<td>Chapter 17 Page 440</td>
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<tr>
<td></td>
<td>- early experience of stress</td>
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<td>- individual differences in sensitivity to stress</td>
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<td>Tuesday, Mar 25</td>
<td>Biopsychology of Emotion, Stress, and Health:</td>
<td>Chapter 17: Pages 441-443</td>
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<tr>
<td></td>
<td>- fear conditioning and the amygdala</td>
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<tr>
<td>Wednesday, Mar 26</td>
<td>Biopsychology of Emotion, Stress, and Health:</td>
<td>Chapter 17: Pages 431</td>
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<tr>
<td></td>
<td>- emotions and facial expression</td>
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<td>- brain mechanisms of human emotion; fear and the human amygdala</td>
<td>Pages 443-447</td>
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<td>Friday, Mar 28</td>
<td>Biopsychology of Psychiatric Disorders:</td>
<td>Chapter 18: Pages 449-454</td>
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<tr>
<td></td>
<td>- schizophrenia</td>
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<tr>
<td>Tuesday, April 1</td>
<td>Biopsychology of Psychiatric Disorders:</td>
<td>No readings</td>
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<tr>
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<td>- schizophrenia</td>
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<td>Wednesday, April 2</td>
<td>Biopsychology of Psychiatric Disorders:</td>
<td>Chapter 18: Pages 454-458</td>
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<tr>
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<td>- affective disorders: depression</td>
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<td>Friday, April 4</td>
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