1.0 **CALENDAR DESCRIPTION**

Structure and function of the nervous system in relation to behaviour. The physiological basis of the major aspects of behaviour in human and other animals (principally mammals) will be covered, including: sensorimotor control, sleep and waking cycles, reproduction, ingestion, aggression, learning, memory, communication, and behavioural disorders. Some background in biology is desirable. This course is the normal prerequisite for Psychology 3285F/G (322F/G) (Research in Behavioural Neuroscience).

Antirequisite: Psychology 2221A/B (221A/B)
Prerequisite: At least 60% in a 1000 (020) level Psychology course. The former Psychology 1200 (023) and/or a background in biology is strongly recommended.

3 lecture hours, 0.5 course

Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

2.0 **COURSE INFORMATION**

Instructor: Dr. Shelley Cross-Mellor
Office: 8210 SSC (locked area)
Office Hours: By appointment
Email: scrossmellor@gmail.com

Time and Location of Lectures: Mondays and Wednesdays 1:30-4:30 pm; SSC 2028

3.0 **TEXTBOOK**


4.0 **COURSE OBJECTIVES**

By the end of the course, students will be able to:

a) To be able to explain the meaning of words in the biopsychology vocabulary
b) To describe and apply the major principles of biopsychology including
i. Behaviour is caused by brain activity
ii. Behaviour is determined by on-going events and previous experiences.
iii. Biopsychology is a way of studying behaviour, not a body of knowledge.
     Researchers use specialized methods to examine the biology of behaviour.
     They interpret observations to draw conclusions.

   c) Use judgement to identify the most important information and integrate elements in biopsychology
   d) Actively participate in group discussions and in-class learning activities

5.0 EVALUATION

The Psychology Department follows the University of Western Ontario grading guidelines, which are as follows (see http://www.uwo.ca/univsec/handbook/general/grades_undergrad.pdf):

A+ 90-100  One could scarcely expect better from a student at this level
A  80-89  Superior work that is clearly above average
B  70-79  Good work, meeting all requirements, and eminently satisfactory
C  60-69  Competent work, meeting requirements
D  50-59  Fair work, minimally acceptable
F below 50  Fail

There will be 3 tests and one final exam. The non-cumulative tests and exam will be primarily multiple choice, and may have a mixture of fill in the blanks, label the diagram and short answer questions.

The weighing of these tests is as follows:

Test #1 – 30%
Test #2 – 30%
Test #3 – 30% *(This test is optional)*
Final Exam – 40%

Note – your final grade in the course will be based on your BEST two of three test marks AND your final exam mark.

The tests and exam are closed book and no aids are allowed. Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating. Therefore, it is in your interest to avoid sitting near anyone you studied course material with.

Please note that grades cannot be adjusted on the basis of need. Your mark in the course will be the mark that you earn. Tests and exams cannot be re-written to obtain a higher mark and there are no extra credit assignments available.

For questions regarding missed tests or exams, see the academic policies section, attached, or consult the professor or an Academic Advisor.
6.0 TEST AND EXAMINATION SCHEDULE

<table>
<thead>
<tr>
<th>Test #1</th>
<th>Monday May 30</th>
<th>Chapters 1, 3, 4 + lectures</th>
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</thead>
<tbody>
<tr>
<td>Test #2</td>
<td>Monday June 6</td>
<td>Chapters 5, 6, 7 + lectures</td>
</tr>
<tr>
<td>Test #3</td>
<td>Wednesday June 15</td>
<td>Chapters 10, 11 + lectures</td>
</tr>
<tr>
<td>Final Exam</td>
<td>TBA – June 27 or June 28</td>
<td>Chapters 12, 15, 17, 18 + lectures</td>
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7.0 LECTURE SCHEDULE

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Chapter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon May 16</td>
<td>Intro &amp; What is biopsychology?</td>
<td>1</td>
</tr>
<tr>
<td>Wed May 18</td>
<td>The anatomy of the nervous system</td>
<td>3</td>
</tr>
<tr>
<td>Mon May 23</td>
<td>VICTORIA DAY (NO CLASS)</td>
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<tr>
<td>Wed. May 25</td>
<td>Neural Conduction &amp; synaptic transmission</td>
<td>4</td>
</tr>
<tr>
<td>Mon. May 30</td>
<td><strong>TEST 1 (first hour of class)</strong> Research methods in biopsychology</td>
<td>5</td>
</tr>
<tr>
<td>Wed. June 1</td>
<td>Visual system &amp; Perception</td>
<td>6 and 7</td>
</tr>
<tr>
<td>Mon. June 6</td>
<td><strong>TEST 2 (first hour of class)</strong> Video – How the Brain Changes Itself</td>
<td></td>
</tr>
<tr>
<td>Wed. June 8</td>
<td>Neuropsychological Diseases</td>
<td>10</td>
</tr>
<tr>
<td>Mon. June 13</td>
<td>Learning, Memory and Amnesia</td>
<td>11</td>
</tr>
<tr>
<td>Wed. June 15</td>
<td><strong>TEST 3 (first hour of class)</strong> Hunger and Eating and Health</td>
<td>12</td>
</tr>
<tr>
<td>Mon. June 20</td>
<td>Drug Addiction</td>
<td>15</td>
</tr>
<tr>
<td>Wed. June 22</td>
<td>Emotion, Stress and Health Psychiatric Disorders</td>
<td>17 18</td>
</tr>
<tr>
<td>Mon. June 27</td>
<td>OR</td>
<td>Final Exam</td>
</tr>
<tr>
<td>Tues. June 28</td>
<td></td>
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</tbody>
</table>

Topics will be covered in the order given above. *Approximate* lecture dates are listed so that you can keep up with the readings. It is best to read the assigned chapter briefly before class, and then return to the text and reread the material more carefully after we have discussed it. In class, I will discuss those parts of the chapter that I feel are the most important, most difficult, or the most interesting and may update and expand upon the topic. Classes will include lectures, video clips, films, demonstrations and activities to help further understand material. You are not responsible for chapters that do not appear on the class schedule.
8.0 STATEMENT ON ACADEMIC OFFENCES

Students are responsible for understanding the nature and avoiding the occurrence of plagiarism and other scholastic offenses. Plagiarism and cheating are considered very serious offenses because they undermine the integrity of research and education. Actions constituting a scholastic offense are described at the following link:

As of Sept. 1, 2009, the Department of Psychology will take the following steps to detect scholastic offenses. All multiple-choice tests and exams will be checked for similarities in the pattern of responses using reliable software, and records will be made of student seating locations in all tests and exams. All written assignments will be submitted to TurnItIn, a service designed to detect and deter plagiarism by comparing written material to over 5 billion pages of content located on the Internet or in TurnItIn’s databases. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (http://www.turnitin.com).

Possible penalties for a scholastic offense include failure of the assignment, failure of the course, suspension from the University, and expulsion from the University.

9.0 OTHER INFORMATION

Office of the Registrar web site: http://www.registrar.uwo.ca/index.cfm

Student Development Services web site: http://www.sdc.uwo.ca

Please see the Psychology Undergraduate web site for information on the following:

http://psychology.uwo.ca/newundergradstudentresp.htm

- Policy on Cheating and Academic Misconduct
- Procedures for Appealing Academic Evaluations
- Policy on Attendance
- Policy Regarding Makeup Exams and Extensions of Deadlines
- Policy for Assignments
- Short Absences
- Extended Absences
- Documentation
- Academic Concerns
- 2011 Calendar References

No electronic devices, including cell phones, will be allowed during exams.