



**DEPARTMENT OF ARTS AND EDUCATION**

**COURSE OUTLINE – FALL 2015**

**PY2750 (A2) BRAIN AND BEHAVIOUR – 3 (3-0-0) 45 Hours**

**INSTRUCTOR:** Cheryl Bereziuk      **PHONE:** 780 539 2739  
**OFFICE:** C301      **E-MAIL:** [CBereziuk@gprc.ab.ca](mailto:CBereziuk@gprc.ab.ca)  
**OFFICE HOURS:** Tuesday and Thursday 230 – 4 or by appointment

**PREREQUISITE(S)/COREQUISITE:** Biology 30 or equivalent and PY 1040 (Students transferring to UNBC must also have PY1050)

**REQUIRED TEXT/RESOURCE MATERIALS:** Biopsychology by John Pinel: *Custom Edition for PY 2750*.  
You will also need to obtain either Buddha's Brain by Rick Hanson or My Stroke of Insight by Jill Bolte Taylor.

**CALENDAR DESCRIPTION:** This course is an introduction to the neural basis of sensation, movement, learning, memory, motivation and cognition as studied in humans and other animals.

**CREDIT/CONTACT HOURS:** 3 credits / 3 hours per week

**DELIVERY MODE:** The course work includes lectures, class discussions, in-class group and individual work.

**COURSE OBJECTIVES:** Students will be taught neuroanatomy, nerve conduction, synaptic transmission and basic research methods in the field of biological psychology. The central nervous systems role in processes such as vision, motor control, learning, memory, sexuality, sleeping, emotion and psychiatric disorders will also be explored. Other topics that will be addressed are development of the nervous system, effects of brain damage and laterality of the brain.

**LEARNING OUTCOMES:** As a result of taking this course students will know fundamental neuroanatomy, nerve signaling and basic research methods in neuroscience. They will also be able to identify the key brain structures involved in processes such as vision, motor control, learning, memory, sexuality, sleep, emotions and psychiatric disorders. Students will also gain an appreciation of the complexity of brain development, the brain's ability for neuroplastic reorganization, and the brains fundamental lateralization of function.

**TRANSFERABILITY:** GPRC has transfer agreements with the University of Alberta, the University of Calgary, the University of Lethbridge, Athabasca University, Grant MacEwan University College, and King's University College. Students should check with the receiving institution concerning transferability as all arrangements are subject to change.

\*\*Grades of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institution to ensure transferability.

**GRADING CRITERIA:** Grades will be assigned on the Letter Grading System.

<b>GRANDE PRAIRIE REGIONAL COLLEGE</b>			
<b>GRADING CONVERSION CHART</b>			
<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>	<b>Designation</b>
<b>A<sup>+</sup></b>	<b>4.0</b>	<b>90 – 100</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4.0</b>	<b>85 – 89</b>	
<b>A<sup>-</sup></b>	<b>3.7</b>	<b>80 – 84</b>	<b>FIRST CLASS STANDING</b>
<b>B<sup>+</sup></b>	<b>3.3</b>	<b>77 – 79</b>	
<b>B</b>	<b>3.0</b>	<b>73 – 76</b>	<b>GOOD</b>
<b>B<sup>-</sup></b>	<b>2.7</b>	<b>70 – 72</b>	
<b>C<sup>+</sup></b>	<b>2.3</b>	<b>67 – 69</b>	<b>SATISFACTORY</b>
<b>C</b>	<b>2.0</b>	<b>63 – 66</b>	
<b>C<sup>-</sup></b>	<b>1.7</b>	<b>60 – 62</b>	
<b>D<sup>+</sup></b>	<b>1.3</b>	<b>55 – 59</b>	<b>MINIMAL PASS</b>
<b>D</b>	<b>1.0</b>	<b>50 – 54</b>	
<b>F</b>	<b>0.0</b>	<b>0 – 49</b>	<b>FAIL</b>
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

**EVALUATIONS:**

Exam #1 (Chapters 1 – 5, appendices)	30%
Exam #2 (Chapters 6 - 10)	30%
Exam #3 (Chapters 11 - 15)	30%
Assignment	10%
Total	100%

Any incomplete grades or grade contentions must be done BEFORE the last scheduled lecture (except for the final exam of course). After the last scheduled lecture all grades, as they appear on moodle, will stand. Any grade contentions must be done in writing (word processed) and provide a detailed justification why the grade should be reconsidered with evidence (such as reference to specific page numbers in the textbook).

If a student has a valid reason for being unable to attend an exam, the instructor must be advised in person before the exam is administered. Failure to notify the instructor of an absence and/or lack of a valid reason will result in a grade of 0 with no option to write a deferred exam or make up assignment. Permission to grant a deferred exam is at the discretion of the instructor and is contingent on a valid reason presented to the instructor in person. Multiple requests for deferred exams or assignments are not typically granted irrespective of reason(s). Deferred exams are written in the students services office. Once permission from the instructor has been granted, contact student services to schedule the exam and then advise the instructor via email of the day and time at least two working days prior to the scheduled exam. Deferred exams must be completed and graded before the next scheduled exam or the grade will remain zero.

Exams can consist of multiple-choice, short and long answer questions. Exact details will be given to you later in the term regarding each specific exam structure. Students are not permitted to leave the exam room once the exam has started until the exam has been completed and turned in. All electronic devices are prohibited from use at any time during exams. All exam marks are final. This means you cannot rewrite an exam because of a poor grade and there are no extra assignments to make up for a poor exam grade.

The assignment must be word-processed. It is important to save a copy of any written work handed in for credit or grading. Details on the assignment will be given to you on a separate handout at the beginning of the term. Assignments are due on the date set by the instructor at the beginning of class in hardcopy/paper format. Do not print double-sided. The instructor does NOT accept emailed assignments. Unauthorized late assignments will have a 5% per day late penalty applied to the assigned grade (including weekend days). If there is a valid reason for an extension, it must be requested in person prior to the due date although students should be advised that extensions are rarely granted in lieu of the late penalty.

**STUDENT RESPONSIBILITIES:** Regular attendance is critical to success in this course. Should a student be unable to attend a class, it is the student's responsibility to acquire the missed material and to complete the assigned readings. The instructor does not lend out lecture notes.

Learning is an active process that will take effort on your part. Students are expected to read the chapters in advance of lectures, participate in activities and discussions in the classroom, and *communicate with the instructor when difficulties are encountered with the course material*. Students are responsible for learning all of the assigned chapters, even if all the material has not been covered in lecture, as well as any other topic or video covered during class time.

Students are expected to display a professional attitude and behavior in the classroom including academic honesty, respect for and cooperation with your colleagues and the instructor, attention to colleague's questions and the instructor's response, and a determination to meet deadlines. Students who are unable to meet these expectations will be required to leave the class in the interest of preserving the learning environment for the other students.

If you have a disability, please self-identify to the instructor if you require any specialized supports.

Please be sure to familiarize yourself with moodle as all communication with students outside of class and office hours will be done via email to your gprc email account. Be sure to check your college email often or forward messages to your regular email account. Please also be sure to specify exactly which course you are in when contacting the instructor.

**STATEMENT ON PLAGIARISM AND CHEATING:** Please see the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at [www.gprc.ab.ca/about/administration/policies/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**). These are serious issues and will be dealt with severely. The instructor reserves the right to use electronic plagiarism detection services.

\*\*Note: all Academic and Administrative policies are available on the same page.

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

September 2	Class begins
September 7	Holiday
October 5	Exam #1 (Chapters 1 – 5, appendices)
October 12	Holiday
November 4	Exam #2 (Chapters 6 - 10)
November 11	Holiday
November 16	Assignment due
December	Last scheduled lecture
TBA (December 10 – 19)	Exam #3 (Chapters 11 - 15)

The dates listed on this outline are tentative and subject to change.