

# Psychology 304 – Brain and Behaviour

Section 98A – May to August 2019

---

**Instructor** – Dr. Laura Hanson    email – [lhanson@psych.ubc.ca](mailto:lhanson@psych.ubc.ca)

**TA** – TBA                                      email - TBA

*Please note that this section of Psychology 304 is offered via UBC distance education using the e-learning site Canvas for the course platform. There are no in-person lectures or meetings.*

---

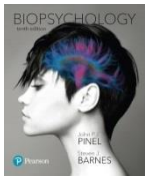
## Course Overview

Welcome to Psychology 304 – Brain and Behaviour. The study of the human brain and how it relates to behaviour is a fascinating field, and I hope that you will enjoy the journey upon which we are about to embark.

Before we dive into the content of the course, I would like everyone to spend some time familiarizing yourself with the how the course works. This is the exactly the purpose of the first online module which aims to orient you to how the course will proceed, inform you about the course requirements (assignments, discussions and final exam), and familiarize you with the basics of using the Canvas platform that the course is resides in.

Note that you will find the course schedule also contained within the first online module. I'd highly recommend that you print this and keep it handy and enter the critical dates into your own calendar.

## Course Materials



### Required Textbook

Pinel and Barnes (2018). Biopsychology. Pearson. 10<sup>th</sup> edition.

### Optional Text Website

MyPsychLab at [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com) You can use this website if the version of the text you purchased provided you with an access code. This is completely optional.

## Calendar description

### PSYC 304 (6 credits) Brain and Behaviour

The neurobiological bases of behaviour; brain processes involved in perception, motivation, emotion, psychopathology, learning and memory. Open to all Arts and Science majors except those in the B.Sc. Psychology program. Credit will not be given for both PSYC 304 and PSYC 360.

*Prerequisite:* Either (a) PSYC 100 or (b) two of PSYC 101, PSYC 102, PSYC 205, PSYC 207, PSYC 208, PSYC 216, PSYC 217. Strongly recommended: PSYC 101 and PSYC 216 or 217 or 260.

## Overview of Readings and Activities

This course is divided into six modules as indicated in the table below.

Unit	Readings	Activities*
Module 1 – Introduction	Online Introduction section	Discussion 1
Module 2 - Basic Concepts	Chapters 1, 2, 3, 4 and 5 + online Neuroendocrinology readings	Discussions 2, 3 and 4
Module 3 – Sensory and Motor Systems	Chapters 6, 7 and 8	Written Assignment 1 Discussion 5
Module 4 - Brain Damage, Psychiatric Disorders and Emotions	Chapters 10, 18 and 17	Discussions 6 and 7 Written Assignment 2
Module 5 - Biopsychology of Learning, Hunger, Addiction, Sex and Sleep	Chapters 11, 12, 15, 13 and 14 + online Hormones and Sexual Behaviour readings	Discussions 8 and 9
Module 6 – Preparing for the Final Exam	Online Preparing for the Final Exam Section	Invigilated Final Examination

**\*Refer to the Course Schedule for dates.**

### Course Grading

Your grade in the course will be based on your performance on two written assignments, participation in scheduled online discussions and a final examination.

### Graded Assignments

There are two written assignments due on specific dates (the first assignment is due in term 1 and the second in term 2).

See the Assignment Information section on the course website for more information and refer to the Course Schedule for the specific due dates.

Assignment 1 is worth 18% of your grade and Assignment 2 is worth 20% of your grade.

### Scheduled Online Discussions

There will be nine scheduled online discussions held during specific dates.

Participation in Discussion 1 is worth 1%. For all remaining discussions (Discussions 2-9) participation in each scheduled discussion is worth 2%. Your posting may be awarded a 2/2 (good), a 1/2 (okay but

could have put more thought or effort into it) or a 0/0 (poor or no posting made during the scheduled time).

Refer to the Course Schedule for the dates that these discussions are scheduled. You will not receive points for posting before or after these dates. The topic for each discussion will be posted in the discussion forum just prior to the start of the scheduled time for discussion.

Participation in scheduled online discussions is worth 17% of your course grade.

### Final Examination

The final exam is a mixture of multiple choice, fill-in-the-blanks, short answers and short essay questions. Please see the section on the course website called Preparing for the Final Exam which provides detail about the final examination plus a practice examination which is similar in format and difficulty to the actual final examination.

You should start preparing for the final exam from the very start of the course by rereading material, taking notes, and developing study aids. The more that you work with the material, the more you will integrate and the easier it will be for you to prepare during the few weeks prior to the final examination.

The final examination comprises 40% of your course grade.

### Calculation of Final Grade

The following weightings will be used in calculating your final grade.

Assignment 1	18%
Assignment 2	20%
Discussions	17%
Final Examination	45%
	100%

### Important Policies

#### Grade Distribution

The Psychology Department requires a normal grade distribution. For a 300-level Psychology course, I am required to submit an average grade of approximately 68% and designated percentages of A's, B's, C's, D's, and F's. If I fail to submit grades meeting these criteria, the Psychology Department will scale the grades to conform to these standards. Grading of the assignments and examination will therefore match these requirements - with the average grade falling approximately between 65-70% to avoid scaling of grades.

## Plagiarism

### *Psychology Department's Position on Academic Misconduct*

Cheating, plagiarism, and other forms of academic misconduct are very serious concerns of the University, and the Department of Psychology has taken steps to alleviate them. In the first place, the Department has implemented software that can reliably detect cheating on multiple-choice exams by analyzing the patterns of students' responses. In addition, the Department subscribes to TurnItIn--a service designed to detect and deter plagiarism. Materials (term papers, lab reports, etc.) that students submit for grading will be scanned and compared to over 4.5 billion pages of content located on the Internet or in TurnItIn's own proprietary databases. The results of these comparisons are compiled into customized 'Originality Reports' containing several, sensitive measures of plagiarism; instructors receive copies of these reports for every student in their class.

In all cases of suspected academic misconduct, the parties involved will be pursued to the fullest extent dictated by the guidelines of the University. Strong evidence of cheating or plagiarism may result in a zero credit for the work in question. The University of British Columbia has the right to impose harsher penalties including (but not limited to) a failing grade for the course, suspension from the University, cancellation of scholarships, or a notation added to a student's transcript.

All graded work in this course, unless otherwise specified, is to be original work done independently by individuals. If you have any questions as to whether or not what you are doing is even a borderline case of academic misconduct, please consult your instructor. If you are uncertain as to what is considered plagiarism in general, please see the UBC Guide to Academic Integrity at <http://learningcommons.ubc.ca/resource-guides/avoid-plagiarism/>

In general, please do not "cut and paste" material from the Internet into an assignment or copy from journal articles or books or another student's work and claim the material as your own. The words you use must be your own words. Be careful to always provide in-text citations and references when citing a source.

### **Two Indispensable Links**

1. **UBC Distance Learning – Learner Support** - <http://distancelearning.ubc.ca/learner-support/>

Once you have finished reading this introduction, please take some time to read over the Learner Support information. Here you will also find important information on policies and procedures (e.g., withdrawals, extensions) and key contacts.

2. **UBC Library** - <http://www.library.ubc.ca/>

Your assignment will require you to do a literature search. The best place to do these literature searches and obtain copies of articles is through the UBC Library website. If you are not familiar with how to do literature searches using a database such as Medline, see the help available via the UBC Library website or ask a UBC librarian in person. The UBC Library has a lot of other useful information such as how to cite references (using APA style) and avoid plagiarism.

Please take some time reviewing the information and resources available on both of these websites.

## PSYC 304 - Course Schedule

Follow the suggested timeline for your readings and take particular note of the dates for the scheduled discussions and due dates for assignments (highlighted in yellow).

Dates	Text Readings	Online Readings	Requirements
<b>MODULE 1 - Introduction</b>			
May 6-9		Introduction	
Postings for Discussion 1 must be made between <b>May 10-14</b>			Discussion 1
<b>MODULE 2: Basic Concepts</b>			
May 15-June 7	Chapter 1. Biopsychology as a Neuroscience Chapter 2. Evolution, Genetics, and Experience Chapter 3. Anatomy of the Nervous System Chapter 4. Neural Conduction and Synaptic Transmission Chapter 5. The Research Methods of Biopsychology	Neuroendocrinology	
Postings for Discussion 2 must be made between <b>May 21-24</b>			Discussion 2
Postings for Discussion 3 must be made between <b>May 28-31</b>			Discussion 3
Postings for Discussion 4 must be made between <b>June 4-7</b>			Discussion 4
<b>MODULE 3: Sensory and Motor Systems</b>			
June 8-25	Chapter 6. The Visual System Chapter 7. Mechanisms of Perception Chapter 8. The Sensorimotor System		
Your Written Assignment 1 is due <b>June 17</b> (before midnight)			Written Assignment 1 Due
Postings for Discussion 5 must be made between <b>June 20-24</b>			Discussion 5

**MODULE 4: Brain Damage, Psychiatric Disorders and Emotions**

June 25-July 17	Chapter 10. Brain Damage and Neuroplasticity  Chapter 17. Biopsychology of Emotion, Stress, and Health  Chapter 18. Biopsychology of Psychiatric Disorders		
Postings for Discussion 6 must be made between <b>July 2-5</b>			Discussion 6
Postings for Discussion 7 must be made between <b>July 9-12</b>			Discussion 7
Your Written Assignment 2 is due <b>July 17</b> (before midnight)			Written Assignment 2 Due

**MODULE 5: Biopsychology of Learning, Hunger, Addiction, Sex and Sleep**

July 18-August 2	Chapter 11. Learning, Memory, and Amnesia  Chapter 12. Hunger, Eating, and Health  Chapter 15. Drug Use, Drug Addiction, and the Brain's Reward Circuits  Chapter 14. Sleep, Dreaming, and Circadian Rhythms  Chapter 13. Hormones and Sex	Hormones and Sexual Behaviour	
Postings for Discussion 8 must be made between <b>July 23-26</b>			Discussion 8
Postings for Discussion 9 must be made between <b>July 30-August 2</b>			Discussion 9

**MODULE 6 - Preparing for the Final Exam**

August 3 to the scheduled date of final exam.		Preparing for the Final Exam	
As scheduled by UBC during the August 2019 exam period (August 13 to 17 inclusive)			Final Examination