



Date: 4 September 2018 – 30 November 2018
Course Title: PSYO 230-001 Biopsychology
Course Schedule: Tuesday & Thursday – 5:00 pm to 6:20 pm
Location: ADM 026

Instructor: Harry B. Miller, Ph.D.
Office location: ASC 167
Office phone: (250) 807-9860
Office hours: by appointment
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TA: Chloe Briggs – email: chloe.briggs@mail.utoronto.ca

COURSE OVERVIEW:

This course provides an introduction to the functions of the brain in an effort to understand human actions and conduct, emotions, and thought processes. The course will consider basic neuroanatomy and communication within the nervous system. This will provide the foundation to appreciating complex issues of sensation and perception, cognitive abilities, and the motivational processes of sleep, hunger, and sexual behavior. The course will also include a discussion of genetics/experience, research methods in biopsychology, and nervous system development.

COURSE PREREQUISITES:

PSYO 111 and PSYO 121

OBJECTIVES:

1. To acquire a basic working knowledge of the anatomy of the central nervous system (brain and spinal cord) and how communication happens in the central nervous system;
2. To learn principles and concepts to facilitate an understanding of the biological basis for action, sensation and perception, cognition, and emotion.
3. To be able to explain the biological basis for hunger, sleep, and sexual behaviour.
4. To be able to describe research methods used in biopsychology;
5. To be able to explain the genetic and environmental conflict in biopsychology, development of the nervous system, and the role of epigenetics in understanding behaviour.

REQUIRED TEXT:

Pinel, J., and Barnes, S. (2018). *Biopsychology* (10th Ed.), Pearson. ISBN-10:0134567730
ISBN – 13: 9780134567730. There is no physical text. You will need an Access Code

Card available for purchase at the Bookstore.

Revel Course Invite Link:

<https://console.pearson.com/enrollment/9ltwqx>

PROPOSED SCHEDULE

TOPIC	PROPOSED DATES	REQUIRED READING
FOUNDATIONS		
Introduction	September 6	
Neuroanatomy	September 6	Chapter 3
Foundations of Biopsychology	September 11	Chapter 1
Foundations of Biopsychology	September 13	Chapter 2
Research Methods	September 18	Chapter 5
Brain Plasticity	September 20	Chapter 9
Brain Plasticity	September 25	Chapter 9
Neuroanatomy/Blood Supply	September 27	Chapter 3
Neural Communication	October 2	Chapter 4
EXAM 1	October 4	
Neural Communication	October 9	Chapter 4
SENSORY AND MOTOR SYSTEMS		
Vision, Audition, Olfaction, Tactile	October 11	Chapter 6, 7, 8
Vision, Audition, Olfaction, Tactile	October 16	Chapter 6, 7, 8
Motor System	October 18	Chapter 6, 7, 8
COGNITIVE AND EMOTIONAL FUNCTIONS		
Cognition	October 23	Chapter 7, 11, 16
Cognition	October 25	Chapter 7, 11, 16
Cognition	October 30	Chapter 7, 11, 16
Emotional Regulation	November 1	Chapter 17
Exam 2	November 6	
Emotional Regulation	November 8	Chapter 17
INATE BEHAVIOURS		
Hunger	November 13	Chapter 12

Sleep	November 15	Chapter 14
Sexual Development	November 20	Chapter 13
DISORDERS		
Substance Use	November 22	Chapter 15
Psychiatric Disorders	November 27	Chapter 18
Brain Injury and Recovery	November 29	Chapter 10
FINAL EXAMINATION	TBA (EXAM PERIOD)	

****Please note that the final syllabus may change based on the needs of the students/course/faculty member but will be done so with advanced warning****

EVALUATION

Exam 1	- 33%
Exam 2	- 33%
Exam 3	-34%

EXAMINATION

Examinations will be of a multiple choice and short answer format. Examinations are not cumulative.

All examinations are to be written on the date specified in the Syllabus and class. If a student is medically unfit to write a test on the designated date and time, a **medical certificate** is required **AND** I must be **notified before** the examination.

GRADING

<u>Percentage</u>	<u>Letter Grade</u>	<u>Percentage</u>	<u>Letter Grade</u>
90 – 100	A+	64 - 67	C+
85 – 89	A	60 – 63	C
80 – 84	A -	55 – 59	C-
76 – 79	B+	50 – 54	D
72 – 75	B	0 – 49	F (Fail)
68 – 71	B –		

Marks for each exam and quiz, and the cumulative mark stand as earned – cannot be “bumped” up.

For example, a 78% \neq 80%; B+ \neq A-.

Academic Integrity

The academic enterprise is founded on honesty, civility, and integrity. As members of this enterprise, all students are expected to know, understand, and follow the codes of conduct regarding academic integrity. At the most basic level, this means submitting only original work done by you and acknowledging all sources of information or ideas and attributing them to others as required. This also means you should not cheat, copy, or mislead others about what is your work. Violations of academic integrity (i.e., misconduct) lead to the breakdown of the academic enterprise, and therefore serious consequences arise and harsh sanctions are imposed. For example, incidences of plagiarism or cheating may result in a mark of zero on the assignment or exam and more serious consequences may apply if the matter is referred to the President's Advisory Committee on Student Discipline. Careful records are kept in order to monitor and prevent recurrences.

A more detailed description of academic integrity, including the University's policies and procedures, may be found in the Academic Calendar at <http://okanagan.students.ubc.ca/calendar/index.cfm?tree=3,54,111,0>.

UBC Okanagan Disability Resource Centre

The Disability Resource Centre ensures educational equity for students with disabilities, injuries or illness. If you are disabled, have an injury or illness and require academic accommodations to meet the course objectives, please contact Earllene Roberts, the Diversity Advisor for the Disability Resource Centre located in Commons Corner in the University Centre building (UNC 227).

UNC 227A 250.807.9263

email earllene.roberts@ubc.ca

Web: www.ubc.ca/okanagan/students/drc

UBC Okanagan Ombuds Office

The Ombuds Office offers independent, impartial, and confidential support to students in navigating UBC policies, processes, and resources, as well as guidance in resolving concerns related to fairness.

UNC 227B 250.807.9818

email: ombuds.office.ok@ubc.ca

Web: <http://ombudsoffice.ubc.ca/ubc-okanagan-2/>

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UNC 227C 250.807.9291

email: equity.ubco@ubc.ca

Web: www.ubc.ca/okanagan/equity

Health & Wellness

SAFEWALK

Don't want to walk alone at night? Not too sure how to get somewhere on campus? Call Safewalk at 250-807-8076. For more information, see:

<http://www.ubc.ca/okanagan/students/campuslife/safewalk.html>