



Introduction to Brain and Behaviour – PSYC 250

University Studies Program

Course Outline

COURSE IMPLEMENTATION DATE: September 2020
OUTLINE EFFECTIVE DATE: September 2020
COURSE OUTLINE REVIEW DATE: April 2025

GENERAL COURSE DESCRIPTION:

This course is an introduction to the fascinating and complex relationship between brain and behavior. The structural and functional anatomy of the central nervous system is featured with particular emphasis on the neural pathways involved in both normal and pathological behavior. Throughout the course, students will recognize the special abilities that stem from our human brains and that are shared across cultures. In addition, they will consider how neural functioning differs among individuals based on factors such as genetics, experience, and injury.

Program Information: This course can be used as an elective in several University Studies Programs. Refer to the College Program Guide for additional information.

Delivery: This course is delivered in a face-to-face format.

COTR Credits: 3

Hours for this course: 45 hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	45
Seminars / Tutorials	
Laboratory / Studio Hours	
Practicum / Field Experience Hours	
Other Contact Hours	
Total	45

Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	N/A
Formal Work Experience	N/A
Other	N/A
Total	0

Course Outline Author or Contact:

Jan White, B.A., Ph.D.

Signature

APPROVAL SIGNATURES:

Department Head
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Department Head Signature

Dean Signature

EDCO

Valid from: September 2020 – April 2025

Education Council Approval Date

COURSE PREREQUISITES AND TRANSFER CREDIT:

Prerequisites: A minimum grade of C- (55%) in both PSYC 101 and PSYC 102

Corequisites: None

Flexible Assessment (FA):

Credit can be awarded for this course through FA Yes No

Learners may request formal recognition for flexible assessment at the College of the Rockies through one or more of the following processes: External Evaluation, Worksite Assessment, Demonstration, Standardized Test, Self-assessment, Interview, Products/Portfolio, Challenge Exam. Contact an Education Advisor for more information.

Transfer Credit: For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>

Students should also contact an academic advisor at the institution where they want transfer credit.

Prior Course Number: N/A

Textbooks and Required Resources:

Textbook selection varies by instructor and may change from year to year. At the Course Outline Effective Date the following textbook was in use:

Kalat, J.W. (2019). *Biological Psychology* (13th ed.). Boston, MA: Cengage.

Please see the instructor's syllabus or check COTR's online text calculator <http://go.cotr.bc.ca/tuition/tCalc.asp> for a complete list of the currently required textbooks.

LEARNING OUTCOMES:

Upon the successful completion of this course, students will be able to:

- describe the neuroanatomy and neurophysiology underlying the function of the human nervous system;
 - describe the development and evolution of brain structure and function;
 - describe the relationship between neural systems and a subset of human behaviours including sensation, perception, movement, consciousness, motivation, emotion, learning, memory, and thinking;
 - analyze the relationship between brain and pathological behavior;
 - discuss ways of knowing about the brain and its relationship to behavior;
 - critically evaluate research in the field of biological psychology;
 - discuss ethical issues surrounding the field of biological psychology; and
 - demonstrate knowledge for diverse perspectives on key topics.
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COURSE TOPICS:

- neuroanatomy and neurophysiology;
- research methods;
- brain development and neuroplasticity;
- sensation and perception;
- movement;
- sleep and wakefulness;
- motivation and internal regulation;
- reproduction;
- emotion and stress;
- learning and memory;
- cognition; and
- neurological and psychological disorders.

See instructor's syllabus for the detailed outline of weekly readings, activities and assignments.

EVALUATION AND ASSESSMENT:

Assignments	% Of Total Grade
Essays/Assignments	30%
Class Participation	10%
Midterm Exams/Quizzes	40%
Final Exam	<u>20%</u>
Total	100%

Please see the instructor syllabus for specific classroom policies related to this course, such as details of evaluation, penalties for late assignments, and the use of electronic aids.

EXAM POLICY:

Students must attend all required scheduled exams that make up a final grade at the appointed time and place.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled exam without approval will be given a grade of "0" for the exam.

COURSE GRADE:

Course grades are assigned as follows:

Grade	A+	A	A-	B+	B	B-	C+	C	C-	D	F
Mark (Percent)	≥90	89-85	84-80	79-76	75-72	71-68	67-64	63-60	59-55	54-50	< 50

A grade of "D" grants credit, but is not sufficient as a prerequisite for sequential courses.

ACADEMIC POLICIES:

See www.cotr.bc.ca/policies for general college policies related to course activities, including grade appeals, cheating and plagiarism.

COURSE CHANGES:

Information contained in course outlines is correct at the time of publication. Content of the courses is revised on an ongoing basis to ensure relevance to changing educational, employment, and marketing needs. The instructor will endeavour to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.