



COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/psyc.html>

Ω Please note: the College electronically stores this outline for five (5) years only.
It is **strongly recommended** you keep a copy of this outline with your academic records.
You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

1. Instructor Information

(a)	Instructor:	Michael Pollock
(b)	Office Hours:	Each weekday at 9am (see course website for details)
(c)	Location:	Fisher Bldg, Room 308B
(d)	Phone:	250-370-3111 (email is preferable)
(e)	Email:	pollockm@camosun.ca
(f)	Website:	D2L (https://online.camosun.ca)

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

Upon completion of this course the student will be able to:

1. Summarize the history of biopsychology, and the relationship of biopsychological theories and methods to the broader field of psychology.
2. Compare the most important research methods used in biopsychology.
3. Discuss the basic concepts, supporting the evidence for the interaction of evolution, genetics and experience in the development of behaviour.
4. Label and summarize the basic structures and functions of the human nervous system.
5. Explain the processes involved in neural conduction and synaptic transmission.
6. Label images of the human visual system and explain basic visual processes in the central nervous system.
7. Discuss the mechanisms of perception, consciousness, awareness and attention.
8. Describe the functioning of the human sensorimotor system.
9. Summarize the processes involved in the development of the human nervous system and the ways in which the human brain attempts to cope with brain damage with an emphasis on neuroplasticity.
10. Discuss human learning, memory and amnesia as they relate to the human brain.
11. Summarize human sexual development, human sexual dimorphism and the effects of hormones on human development and behaviour.
12. Describe a model of drug addiction and a general model of the effects of various drugs on the neuronal function.
13. Discuss various disorders of cognition and emotion with regard to the human brain.
14. Summarize the effects of stress and emotions on human neurophysiology.
15. Discuss the neurophysiology of schizophrenia, depression and anxiety and attempts to treat these disorders.

3. Required Materials

Text: Pinel, John P. J. (2014). Biopsychology. (9th ed.). Toronto: Pearson.

4. Course Content and Schedule

This course familiarizes students with the major findings and issues associated with biopsychology and provides an overview of the following topics: the research methods used in biopsychology, neurophysiology, neurochemistry, neuroanatomy, evolutionary psychology, behavioral genetics, and the biological mechanisms of sensation, perception, action, brain development, recovery from brain injury, memory, sexual characteristics/behaviour, addiction, emotions, and psychiatric disorders. In order to make the learning as interesting as possible, lectures will not only cover the material presented in the assigned readings but will also show how to apply this information to real-life situations and pose questions about this

in a fun and engaging environment. In order to make the learning as easy as possible, mnemonic (memory-enhancing) techniques will be demonstrated for the material in lecture.

COURSE SCHEDULE			
Week	Readings	Lecture	Lab*
1		Sep 3 Topic: What should this course be like?	Sep 4 Online quiz demonstration
2	Ch.1 & p.102-105	Sep 10 Topic: What is biopsychology and how can you tell if something is neuro-bunk? Due day before: Online quiz on Biopsychology & its Methods	Sep 11 In-class quiz on Biopsychology & its Methods
3	Ch.4 & p.56-59	Sep 17 Topic: How does your mind arise from neuronal activity in your brain? Due day before: Online quiz on Neural Basis of Behavior	Sep 18 In-class quiz on Neural Basis of Behavior
4	Ch.3 & p.394-412	Sep 24 Topic: What are the different structures of your brain and their functions? Due day before: Online quiz on Functional Neuroanatomy	Sep 25 In-class quiz on Functional Neuroanatomy
5		Oct 1 Midterm #1 review session	Oct 2 Exam: Midterm exam #1
6	Ch.2	Oct 8 Topic: What determines who you are: evolution & genetics or experience? Due day before: Online quiz on Evolution & Genetics	Oct 9 In-class quiz on Evolution & Genetics
7	p.130-140,148-149	Oct 15 Topic: How are you able to see the world? Due day before: Online quiz on Visual Sensation	Oct 16 In-class quiz on Visual Sensation
8	p.151-158,176-177,184-186,191-196,208-210	Oct 22 Topic: How do you become conscious of physical stimuli and how can your consciousness control your body? Due day before: Online quiz on Perception & Action	Oct 23 In-class quiz on Perception & Action
9		Oct 29 Midterm #2 review session	Oct 30 Exam: Midterm exam #2
10	p.214-226,237-238,247-257	Nov 5 Topic: How did your brain develop and could it ever recover if damaged? Due day before: Online quiz on Development & Recovery	Nov 6 In-class quiz on Development & Recovery
11	Ch. 11	Nov 12 Topic: What makes your brain remember or forget things? Due day before: Online quiz on Memory	Nov 13 In-class quiz on Memory
12	Ch. 13 & p.455	Nov 19 Topic: What determines your sex characteristics and sexual behavior? Due day before: Online quiz on Hormones & Sex	Nov 20 In-class quiz on Hormones & Sex
13	Ch. 15	Nov 26 Topic: How can drugs make you feel good but also cause you to become an addict? Due day before: Online quiz on Drugs & Addiction	Nov 27 In-class quiz on Drugs & Addiction
14	p.424-438 & Ch. 18	Dec 3 Topic: How does your brain produce emotions, what causes psychiatric disorders, and how do attempts to treat these disorders work? Due day before: Online quiz on Emotion & Psychopathology	Dec 4 In-class quiz on Emotion & Psychopathology
			TBA Exam: Final exam

5. Basis of Student Assessment (Weighting)

Your course grade will be based on the total number of points you receive on 11 online quizzes, 11 in-class quizzes, 2 in-class midterm examinations, and 1 final examination scheduled in the final exam period. You can check with the instructor at any time during the semester for your current class standing and you are invited to discuss any concerns about your grade.

Each requirement will receive the following weight in determining your final grade:

- Average of Online Quizzes: 5%
- Average of In-class Quizzes: 20%
- Midterm Exam #1: 20%
- Midterm Exam #2: 20%
- Final Exam: 35%

6. Grading System

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. (For these courses a final grade will be assigned to either the 3 rd course attempt or at the point of course completion.)
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services, or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**.
It is the student's responsibility to become familiar with the content of this policy.
The policy is available in each School Administration Office, at Student Services,
and the College web site in the Policy Section.