



**School of Arts & Science  
PSYCHOLOGY DEPARTMENT**

**PSYC 215-001  
Biological Psychology  
Fall 2008**

## **COURSE OUTLINE**

### **1. Instructor Information**

(a)	Instructor:	John S. Conklin		
(b)	Office Hours:	See website: <a href="http://conklin.disted.camosun.bc.ca/">http://conklin.disted.camosun.bc.ca/</a>		
(c)	Location:	F 350 C		
(d)	Phone:	250 370 3196	Alternative Phone:	
(e)	Email:	<a href="mailto:conklin@camosun.bc.ca">conklin@camosun.bc.ca</a>		
(f)	Website:	<a href="http://conklin.disted.camosun.bc.ca/">http://conklin.disted.camosun.bc.ca/</a>		

### **2. Intended Learning Outcomes**

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**

(a) Texts: Pinel, John. (2009: 7e). Biopsychology. Toronto: Allyn and Bacom.

#### 4. Course Content and Schedule

See course website in Desire2Learn

WEEK	DATE	TOPIC	READING	ASSIGNMENTS
1	Sept 3	First Seminar: Relaxed introductions/D2L / Course Outline, etc. Weekly lab Ch1; Weekly Practice Test Ch 1	Pine Ch 1 Read before class Sept. 8th	Practice Test Chs 1 : Do before lecture Sept 8 <sup>th</sup>  Weekly lab Chs. 1 do before seminar Sept. 10th
2	Sept 8th	Lecture : Ch 1 Introduction	Pinel Ch 2 & 3: Read before Lecture Sept. 15th	-
2	Sept: 10th	Seminar : Presentations of Weekly lab Chs. 1	-	-Practice Test Ch 2 & 3: do before lecture Sept 16 <sup>th</sup> Weekly lab Ch 2 & 3 Do before seminar Sept. 18th
3	Sept 15th	Lecture : Ch 2 & 3: Evolution, genetics, nervous system anatomy	Pinel Chs 4 & 5 Read before Lecture Sept 22	-
3	Sept 18th	Seminar: Weekly lab Ch 2 & 3:	-	-Practice Test Ch 4 & 5: do before lecture Sept 22nd  Weekly lab Ch 4 &5: Do before seminar Sept. 25th

4	Sept 22nd	Lecture: Chs 4 & 5 Synaptic Transmission and Research Methods	Pinel Ch 6 & 7: Read before Lecture Sept. 29th	-
4	Sept 25th	Seminar : Discussion of Weekly lab Chs 4 & 5	-	Practice Test Ch 6 & 7 do before lecture Sept 29 <sup>th</sup>  Weekly lab Ch 6 & 7 do before seminar Oct 1st
5	Sept. 29th	Lecture : Ch 6 & 7 Vision and Perception	-	
5	Oct 1st	Seminar: <b>Article Review Due in Seminar</b>	-Chapter 8	-Practice Test Ch 8 before Lecture Oct 6 <sup>th</sup>  Weekly lab Ch 8 before seminar Oct 8th
6	Oct 6th	Lecture Ch 8 Sensory motor	-	-
6	Oct 9th	Seminar: Weekly lab Ch 8	-	<b>-Practice Test Ch 9 before lecture Oct 20th</b>
7	Oct 13th	No class Thanksgiving	- Chapter 9	
7	Oct 15th	Seminar .	-	-Weekly Practice Test Ch 9 before lecture Oct 20th
8	Oct 20th	Lecture Ch 9 + Review for Midterm	-Ch 10	-
8	Oct. 22nd	Seminar 7	<b>Midterm Exam in Seminar in computer lab Chapters 1-9</b>	-Practice Test Ch 10 before lecture Oct 27 <sup>th</sup>  Weekly lab Ch 10 before seminar Oct 29th
9	Oct	Lecture 7 Ch 10 Brain	- Ch 11	

	27th	Damage		
9	Oct 29th	Seminar .		-Practice Test Ch 11 before lecture Nov 3rd-Practice Test Ch 11 before lecture Nov 3rd
10	Nov 3rd	Lecture Ch 11 Learning and memory	-Ch 13	-
10	Nov 5th	Seminar	<b>-RESEARCH PAPER OUTLINE AND BIBLIOGRAPHY</b>	-Practice Test Ch 13 before lecture Nov 10 Weekly lab Ch 13 before seminar Nov 12th
11	Nov 10th	Lecture Ch 13 Hormones and Sex	- Ch 15	-
11	Nov 12th	Seminar		-Practice test Ch 15 before lecture Nov 17 <sup>th</sup> Weekly lab Ch 15 before seminar Nov. 19th
12	Nov 17th	Lecture Ch 15 Drugs and Reward	-Ch 16	-
12	Nov 19th	Seminar 11		Practice Test Ch 16 before lecture Nov 24 <sup>th</sup> Weekly lab Ch 16 before Seminar Nov 26th
13	Nov 24th	Lecture: Ch 16 Language	-	
13	Nov 26th	Seminar	<b>--Research Papers Due in Seminar:</b>	-Practice Test Ch 17 & 18 before lecture Dec 1 <sup>st</sup> Weekly lab Ch 17 & 18 before seminar

				Dec 3 <sup>rd</sup> .
14	Dec 1st	Lecture: Chs 17 & 18 Emotions, stress and psychiatric disorders.	-	
14	Dec 3rd	Seminar [Last day of classes] Review		-
		Final Exam During Exam Week TBA		
			-	-
			-	-

## 5. Basis of Student Assessment (Weighting)

- (a) Weekly labs and practice tests: 20%
- (b) Article Review: 10%
- (c) Midterm Exam: 20%
- (d) Research Paper: 25%
- (e) Final Exam: 25%

## 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	1

		cannot be used as a prerequisite.	
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](http://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 <sup>d</sup> 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](http://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 on the College web site in the Policy Section.

Details of weekly assignments, practice tests, article review and research paper will be discussed in class. There is also additional information in the course website.