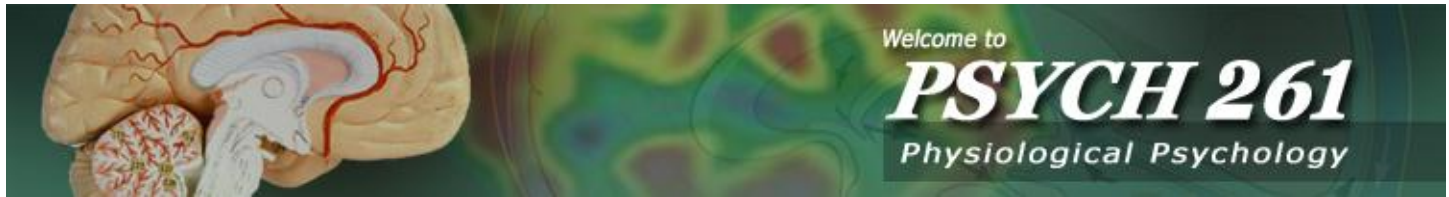


COURSE OUTLINE

University of Waterloo

Term and Year of Offering: **Fall 2009**

Course Number and Title: **PSYCH 261 DE: Physiological Psychology**



Communication	Information	Materials and Resources	Activities and Assignments	Policies
<ul style="list-style-type: none">• Email/Phone• Announcements• Discussion Boards	<ul style="list-style-type: none">• About the Course• Author• Description• Objectives	<ul style="list-style-type: none">• Textbooks• Resources	<ul style="list-style-type: none">• Online tests• Final Exam• Bonus Points	<ul style="list-style-type: none">• Submission Times• Academic Integrity• Grievance• Discipline• Appeals• Note for Students with Disabilities• Use of Computing and Network Resources• Copyright Information

Communication

Email

Administrative questions should be directed to the UW Distance Education office.

Technical problems should be directed to Technical Support.

Academic issues (e.g., course content, deadlines, etc.) can be directed to your instructor, **Professor Britt Anderson**, through *Course Mail* ONLY. Find the link to Course Mail under the **Communicate** tab in your UW ACE course. DO NOT send email to your instructor's UW email account. Your instructor checks *Course Mail* at least once per weekday, and you should expect an answer to your questions within 2 business days. (You may redirect your mail from *Course Mail* to another email address by setting Preferences for your Inbox).

Your instructor may be reached by phone at +1 519-888-4567 ext. 33056 during office hours (9-11 AM, Thursdays, Eastern Time).

You may also communicate with your instructor via the Ask Your Instructor discussion board (see below).

Announcements

Your instructor uses the Announcements area on the course homepage to communicate items of general information to the class as needed (i.e., new or changing information regarding due dates, instructor absence, etc.). Therefore you should check Announcements regularly throughout the term.

To ensure you are viewing the complete list of announcements, you must click on ALL. Please note you may also be required to click on MORE.

To ensure you are viewing the complete list of announcements, you must click on ALL. Please note you may also be required to click on MORE.

[More](#) | View: [Past](#) [Present](#) [All](#) | Sort: [Descending](#)

Discussion Boards

Access Discussion Boards from the Communicate tab or Discussion Boards folder. For questions relating to course content, you may use the *Ask Your Instructor* discussion board. If you have a question that you think might be of interest to other students, use this board. Also, before emailing the instructor, check this board to see if your question has already been answered. Your instructor drops into the *Ask Your Instructor* discussion board several times per week and posts responses to student questions frequently. You may use the *General Discussion* board to pose questions to your fellow students. Two heads are better than one. Looking for study partners, unclear on a particular point, your fellow students may be as helpful as the instructor in enlightening you since they are closer to your level of understanding. Here you may post a question or read questions and answers from other students. The instructor does not monitor this board, but may drop in occasionally to assess student progress.

Information

About the Course Author—Britt Anderson

(Last updated Jan. 9, 2009)

Britt Anderson was born and raised in the United States.

He began his professional career as a physician, graduating from the University Of Southern California School Of Medicine in 1984, and completed residency training in neurology at UT Southwestern in Dallas Texas.

Subsequently, he was a practicing neurologist in the US Air Force and on the faculty of the University Of Alabama School of Medicine in Birmingham, Alabama. While at UAB, he was affiliated with the university's Alzheimer's Disease Center.

Dr. Anderson augmented his medical training by acquiring a PhD in Brain Science at Brown University in Providence, RI where his doctoral and post-doctoral research concentrated on computational approaches to understanding the neural correlates of visual perception.

Today, Dr Anderson is a faculty member in the Psychology Department at the University of Waterloo and affiliated with UW's Centre for Theoretical Neuroscience. Dr. Anderson designed this course in the winter and spring of 2009.



Course Description

This course surveys the field of physiological psychology. Psychology deals with old questions, but it is a young science. Psychology transitioned from philosophy to science when it combined the philosophical questions about the nature of mind and consciousness with the new scientific techniques of physiology. Today physiological psychology is the study of how behavior is determined and influenced by physiological processes. It involves all the methods of neuroscience: genetics, anatomy, electrophysiology; and all the topics of psychology: emotion, perception, and consciousness. In this course you will survey these topics and approaches. A knowledge of physiological psychology is a foundation for all higher studies in all areas of psychology.

Objectives

By the end of this course, students should have a working knowledge of:

- the research methods of physiological psychology
- the basic nervous system anatomy at both the gross and microscopic level
- the basic electrical and chemical events which explain neuronal communication
- the basic neural bases of vision, audition, somatosensation, and motor behavior; and
- the cellular mechanisms of learning, memory, emotion, and language.

This course was designed by Professor Britt Anderson in the Winter term of 2009, after consultation with the professors teaching live versions of PSYCH 261. Materials were modified by the Web Development group at Distance Education. This course is not an abridgement or repackaging of prior live versions.

Materials and Resources

The CD-ROM found in your course package from Distance Education contains only the lecture content and the primary videos from the learning activities and is intended for students who have slow internet service such as dial-up.

PDF files of slides and audio transcripts from the lectures are available for printing from the Module pages.

Textbook

Required:

1. Neil R. Carlson (2007), *Physiology of Behavior*, 9th ed., Pearson.

For textbook ordering information, please contact the UW BookStore.

For your convenience, you can compile booklists of required and optional textbooks based on your current courses through BookLook using your Quest userID and password (look for the **Shop Online with BookLook** link in the centre-top section of the main UW BookStore page). If you are having difficulties ordering online and wish to call the UW BookStore, their phone number is +1 519 888 4673 or toll-free at +1 866 330 7933. Please be aware that textbook orders **CANNOT** be taken over the phone.

Resources

- Purchase of the textbook gives you access to the MyPsychKit web site which includes media designed to assist your learning. The link will take you to the welcome page, where first time users select register and then select register next to the textbook title, and then enter the Access Code found on the Student Access Code Card included with the textbook.
Author. (Year). *Textbook Title (Edition)*. Publisher.
- UW Library (Distance Education)

Activities and Assignments

Online Tests	Vocabulary Quizzes	10%
	Midterm Test 1	15%

Midterm Test 2	25%
Final Exam	50%
Bonus Points	(5%)
Total	100% (plus 5% Bonus)

Policies

Submission Times

Please be aware that the University of Waterloo is located in the **Eastern Time Zone** (GMT or UTC-5 during standard time and UTC-4 during daylight saving time) and, as such, the time that your activities and/or assignments are due is based on this zone. If you are outside of the Eastern Time Zone and require assistance with converting your time, please try the following online converter.

Academic Integrity

In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect, and responsibility. Check www.uwaterloo.ca/academicintegrity/ for more information.

Grievance

A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy 70, Student Petitions and Grievances, Section 4, www.adm.uwaterloo.ca/infosec/Policies/policy70.htm. When in doubt please be certain to contact the department's administrative assistant who will provide further assistance.

Discipline

A student is expected to know what constitutes academic integrity [check www.uwaterloo.ca/academicintegrity/] to avoid committing an academic offence, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course instructor, academic advisor, or the undergraduate Associate Dean. For information on categories of offences and types of penalties, students should refer to Policy 71, Student Discipline, www.adm.uwaterloo.ca/infosec/Policies/policy71.htm. For typical penalties check Guidelines for the Assessment of Penalties, www.adm.uwaterloo.ca/infosec/guidelines/penaltyguidelines.htm.

Appeals

A decision made or penalty imposed under Policy 70, Student Petitions and Grievances, (other than a petition) or Policy 71, Student Discipline, may be appealed if there is a ground. A student who believes he/she has a ground for an appeal should refer to Policy 72, Student Appeals, www.adm.uwaterloo.ca/infosec/Policies/policy72.htm.

Note for Students with Disabilities

The Office for Persons with Disabilities (OPD), located in Needles Hall, Room 1132, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the OPD at the beginning of each academic term.

Use of Computing and Network Resources

Please see the Guidelines on Use of UW Computing and Network Resources.

© Copyright Information

UW's Web Pages

All rights, including copyright, images, slides, audio, and video components, of the content of this course are owned by the course author, unless otherwise stated. These Web pages are owned or controlled by the University of Waterloo, Distance and Continuing Education. By accessing the Web pages, you agree that you may only download the content for your own personal, non-commercial use. You are not permitted to copy, broadcast, download, store (in any medium), transmit, show or play in public, adapt or change in any way the content of these Web pages for any other purpose whatsoever without the prior written permission of the course author and the University of Waterloo, Distance and Continuing Education.

Other Sources

Respect the copyright of others and abide by all copyright notices and regulations when using the computing facilities provided for your course of study by the University of Waterloo. No material on the Internet or World Wide Web (WWW) may be reproduced or distributed in any material form or in any medium, without permission from copyright holders or their assignees. To support your course of study, the University of Waterloo has provided hypertext links to relevant Web sites, resources, and services on the Web. These resources must be used in accordance with any registration requirements or conditions which may be specified. You must be aware that in providing such hypertext links the University of Waterloo has not authorized any acts (including reproduction or distribution) which, if undertaken without permission of copyright owners or their assignees, may be infringement of copyright. Permission for such acts can only be granted by copyright owners or their assignees.

If there are any questions about this notice, please contact the University of Waterloo, Distance and Continuing Education, Waterloo, Ontario, Canada, N2L 3G1 or by email.

Course begins Monday, September 14, 2009

ALL TIMES EASTERN – Please see the Policies section for details.

		Course Requirements and Important Dates				
Week / Module	Lectures and Notes	Readings and Other Assigned Material	Activities and Assignments	Begin Date	End / Due Date	Weight (%)
Please review the Syllabus, Getting Started, and UW Policies before you begin your course.						
Week 1: Module 1	Lecture 1: Introduction to Physiological Psychology	Text: Ch. 1 pp.3-14, 24-27.	Vocabulary Quiz 1	N/A	Monday, September 28, 2009 at 11:55 PM	1%
Week 2: Module 2	Lecture 2: Neurophysiology and Neuronal Structure	Text: Ch. 2 pp. 29-66	Vocabulary Quiz 2	N/A	Monday, October 5, 2009 at 11:55 PM	1%
			Vocabulary Quiz 3	N/A	Monday, October 12, 2009 at 11:55 PM	1%
Week 3: Module 3	Lecture 3: Neuroanatomy	Text: Ch. 3 pp. 69-76, 82-100.	Midterm Test 1 [This test is available for 89 hours only (an extra 24 hours is given for the Canadian Thanksgiving Holiday). You must complete the midterm in a 60 minute period chosen within the access (start and end) times shown here.]	Sunday, October 11, 2009 at 6:00 AM	Wednesday, October 14, 2009 at 11:55 PM	15%
Week 4: Module 4	Lecture 4: Research Methods	Text: Ch. 5 pp. 135-166.	Vocabulary Quiz 4	N/A	Monday, October 19, 2009 at 11:55 PM	1%
Week 5: Module 5	Lecture 5: Vision	Text: Ch. 6 pp. 169-208.	Vocabulary Quiz 5	N/A	Monday, October 26, 2009 at 11:55 PM	1%
Week 6: Module 6	Lecture 6: The Nonvisual Senses	Text: Ch. 7 pp. 211-256.	Vocabulary Quiz 6	N/A	Monday, November 2, 2009	1%
This is the Reading Week row. Once finalized, it will only display in Winter terms.						
Week 7: Module 7	Lecture 7: The Motor System	Text: Ch. 8 pp. 259-289.	Midterm Test 2 [This test is available for 65 hours only. You must complete the midterm in a 90 minute period chosen between the access (start and end) times shown here.]	Sunday, November 8, 2009 at 6:00 AM	Tuesday, November 10, 2009 at 11:55 PM	25%
Week 8: Module 8	Lecture 8: Emotion	Text: Ch. 11 pp. 363-393.	Vocabulary Quiz 8	N/A	Monday, November 16, 2009 at 11:55 PM	1%
Week 9: Module 9	Lecture 9: Learning and Memory	Text: Ch. 13 pp. 431-479.	Vocabulary Quiz 9	N/A	Monday, November 23, 2009 at 11:55 PM	1%
Week 10: Module 10	Lecture 10: Communication	Text: Ch. 14 pp. 481-517.	Vocabulary Quiz 10	N/A	Monday, November 30, 2009 at 11:55 PM	1%
Week 11	No Lectures	No Readings	Bonus Points	N/A	Tuesday, December 1, 2009 at 11:55 PM	(5%)
Week 12	No Lectures	No Readings				

Final Exam

50% (The final exam is worth 50% of your final mark)

Total: **100%** (+ 5% Bonus)

Final Examination Information

Examination arrangement information must be provided by Friday, October 2, 2009. Examination schedule details will be available on Quest approximately four weeks prior to the exam date.

On-Campus Students

Exam Dates: Friday, December 11, 2009 (one session) and Saturday, December 12, 2009 (two sessions)

Off-Campus Students

Exam Date: Saturday, December 12, 2009

Note: Students will be assigned a session in which to write—they may not choose a session.

Official Grades and Academic Standings are available through Quest.

Please note: You will not have access to your course in UW-ACE after Sunday, January 3, 2010.