

Brain & Behaviour Psychology 271

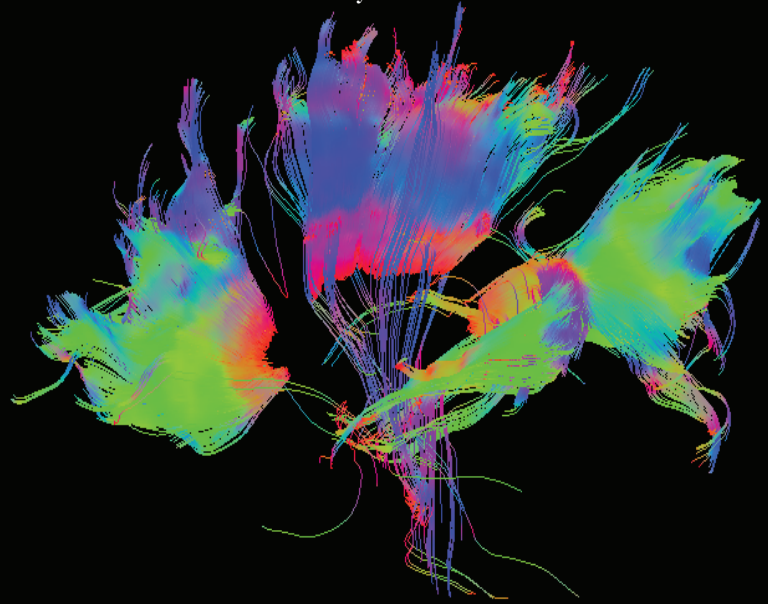
Etherington Auditorium
M 4:00-5:30
W 2:30-4:00

Instructor
Rachael Bosma
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TAs
Jacqueline Chin
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Rebecca Stead
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An image showing water diffusion in the white matter tracts in a healthy child brain



Course Description and Objectives

Neuroscience is a relatively new and exciting area of study, with incredible advancements in our understanding of the brain being made each year. This course is an introduction to the biological basis of behaviour and will consist of lectures, discussions, videos, and the newest/coolest discoveries on the topic. We will begin by developing a basic understanding of the nervous system, neuroanatomy, and research methods and then examine the input (sensory) and output (motor) systems of the brain. Finally, topics relevant to lateralization of function and language will be covered.

-To introduce the topic areas that contribute to knowledge about the brain and its role in the control of behaviour.

-To augment critical thinking about research findings and how they can be used to inform the relationship between brain and behaviour.

-To demystify some of the mental phenomena that result from the normal and abnormal functioning of the brain.

Course Rules

The point of the class is learning, not memorizing, not cramming. To do this we are going to talk- talk with each other, talk with the TAs, talk to me.
1. This requires respect and patience.

There is a lot of information and you may have questions-which is great! To avoid repeating information that is already available
2. Ask TWO then me (ask two of your peers (and I want names) then ask me)

Where to find ...

Details about dates: check due dates page on moodle- check it often

Lecture notes: check moodle

Exam information: check syllabus & moodle folder

Participation Exam Questions:
Moodle- Forums (right hand side)

Extra information: check out the textbook online

My Prof: Humphrey room 235, by appointment only

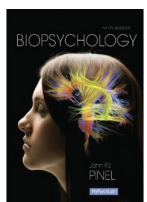
My TAs: Humphrey 327, by appointment only

Course Material

Text: Biopsychology Plus NEW
MyPsychLab with eText -- Access Card Package

9/E Pinel ISBN-10:
0205994709

ISBN-13: 9780205994700



Numbers In, Letters Out

Grade	Numerical Course Average (Range)
A+	90-100
A	85-89
A-	80-84
B+	77-79
B	73-76
B-	70-72
C+	67-69
C	63-66
C-	60-62
D+	57-59
D	53-56
D-	50-52
F	49 and below

Evaluations

Participation.....	10%
Video Assignment.....	15%
Midterm exam.....	30%
Final Exam.....	45%

-5% per day late. If you require special accommodations, please email me a copy of your form.

How this is going to work

Class: I am going to try to break up my lectures and incorporate supplementary videos and interesting papers. I will also ask questions, have you THINK about the answer, get in PAIRS to discuss, and then SHARE with the class. This will depend on class maturity and ability to use the time constructively.

Participation: For each chapter of the text book, you will be required to create a NOVEL (not the same as questions your peers post), high QUALITY exam question and answer. You will be broken up into groups on Moodle (~15/ group) and will post your novel question after the chapter has been covered in class. If you are not the first in your group to post your Q & A *it is your responsibility to read the questions already posted and ensure that yours is not the same.* Questions are due 1 week after the chapter is covered in class. Each will be graded a 0 = did not complete, 1= completed, 2 = great question. Good quality questions will be selected and posted for all to see and use as review. *A selection of these will be used as questions on the final exam.*

Video Assignment: In groups of 3-4 you will create a video that compliments a specific slide of my lectures OR concept presented in the course. It should be 1-2 minutes in length. The video should begin with individual(s) describing the principle that will be shown, then do a demonstration, followed by any concluding comments to help understand what happened and/or how it relates directly to the principle.

Exams: Exams will consist of definitions, short & long answers, and multiple-choice questions. Any material in the text is fair game. Thus, YOU ARE RESPONSIBLE FOR THE MATERIAL IN THE CHAPTERS ASSIGNED

Missed Exams

If you miss an exam due to serious, extenuating circumstance you must:

- 1) Obtain permission from the instructor- contact within 72 h after the exam with the appropriate documentation. Use the Request for an Exam Deferral form found on our website
- 2) Complete and return the instructor-signed Permission for an Incomplete Grade form available here http://www.queensu.ca/artsci/sites/default/files/Permission_for_an_incomplete_grade%2021jan2011.pdf
3. Be available to write the makeup exam during the first available PSYC Make up Exam period

NOTE: students who do not write the make up are advised to drop the course. If a student cannot write the makeup exam due to a serious extenuating circumstance for which they can provide new documentation, they will either be granted a second deferral by their instructor or be supported in their appeal to drop the course after the deadline (this decision rests with the Associate Dean).

Accommodation after the fact

Once a student has written an exam or submitted an assignment, they may not subsequently be granted accommodation (e.g., offered a second opportunity to write the exam or assignment or have it count for less than originally specified in the course syllabus)

Travel during exams

Students are expected to be available to write scheduled exams at any time during the official December examination period as well as during any scheduled class times. Requests for writing makeup exams will NOT be considered except under extraordinary circumstances.

Course plan

Date	Topic	Chapter
Sept. 8	Introduction Lecture	
Sept. 10	What is Biopsychology	1
Sept. 15	Evolution, Genetics, Experience	2
Sept. 17	Evolution, Genetics, Experience	2
Sept. 22	Anatomy of the Nervous System	3
Sept. 24	Anatomy of the Nervous System	3
Sept. 29	Neural Conduction and Synaptic Transmission	4
Oct. 1	Neural Conduction and Synaptic Transmission	4
Oct. 6	NO CLASS	
Oct. 8	MIDTERM EXAM	
Oct. 13	THANKSGIVING	
Oct. 15	Research Methods	5
Oct. 20	Research Methods	5
Oct. 22	Lateralization and Language	16
Oct. 27	Lateralization and Language	16
Oct. 29	The Visual System	6
Nov. 3	The Visual System	6
Nov. 5	The Visual System and Attention	6
Nov. 10	Hearing, Smell, Taste	7
Nov. 12	Touch and Pain	7
Nov. 17	NO CLASS	
Nov. 19	Sensorimotor System	8
Nov. 24	Sensorimotor System	8
Nov. 26	Review Class	

This plan is subject to change

Academic Integrity

For this class this will look like...

1. Achieving the full benefits of the exam questions assignment by using it as an opportunity to review your notes, think about what type of exam questions could be asked, and post an original question (not one borrowed from a friend)
2. Using the video assignment as a (hopefully fun and interesting) way to learn and review the material. Avoid copying others ideas or taking ideas directly from videos you find online**
3. As always, do not copy off of another's exam

** note that the idea for this assignment was borrowed (with permission) from Dr. Steve Scott who uses it in a 3rd year neuroscience course. It was his great idea.

From the University

Academic integrity is constituted by the five core fundamental values of honesty, trust, fairness, respect and responsibility (see <http://www.academicintegrity.org>). These values are central to the building, nurturing and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the "freedom of inquiry and exchange of ideas" essential to the intellectual life of the University (see the Senate Report on Principles and Priorities <http://www.queensu.ca/secretariat/policies/senateandtrustees/principlespriorities.html>).

Students are responsible for familiarizing themselves with the regulations concerning academic integrity and for ensuring that their assignments conform to the principles of academic integrity.

Information on academic integrity is available in the Arts and Science Calendar (see Academic Regulation 1 <http://www.queensu.ca/artsci/academic-calendars/2011-2012-calendar/academic-regulations/regulation-1>), on the Arts and Science website (see <http://www.queensu.ca/artsci/academics/undergraduate/academic-integrity>), and from the instructor of this course.

Departures from academic integrity include plagiarism, use of unauthorized materials, facilitation, forgery and falsification, and are antithetical to the development of an academic community at Queen's. Given the seriousness of these matters, actions which contravene the regulation on academic integrity carry sanctions that can range from a warning or the loss of grades on an assignment to the failure of a course to a requirement to withdraw from the university.

Copyright Statement: The material in this course is copyrighted and is for the sole use of students registered in the PSYC 271 course. This material shall not be distributed or disseminated to anyone other than students registered in the PSYC 271 course. Failure to abide by these conditions is a breach of copyright, and may also constitute a breach of academic integrity under the University Senate's Academic Integrity Policy Statement.

Disability Accommodations Statement

Queen's University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you are a student with a disability and think you may need accommodations, you are strongly encouraged to contact the Disability Services Office (DSO) and register as early as possible. For more information, including important deadlines, please visit the DSO website at: <http://www.queensu.ca/hcds/ds/>