

Psych 396 Winter 2016

Monday and Wednesday, 10:00-11:20 PM, PAS 4032

Instructor and T.A. Information

Instructor: Colin Ellard

Office: PAS 4034

Office Phone: 519-888-4567 ext 36852

Office Hours: Tuesday 1-2 pm or by arrangement

Email: cellard@uwaterloo.ca

The best way to reach me is by email. You can normally expect a response from me within 24 hours. I will hold regular office hours on Wednesdays but you can reach me at other times and I will do my best to set an appointment for either a face to face meeting or a phone call with you at a time that works for both of us.

T.A.	Karisa Parkington
Email	kparkington@uwaterloo.ca
Office	PAS 2248
Office Hours	Monday 12-1 pm

Course Description

The main objective of the course is to deepen your understanding of neuroanatomy and brain function using a variety of approaches ranging from lecture and seminar presentations to experimentation and anatomical dissection.

Course Goals and Learning Outcomes

Upon completion of this course, students should be able to:

- A. Describe the basic elements of the mammalian brain
 - Describe and locate structures on photos or diagrams of the brain
 - Describe many of the major pathways connecting brain areas
- B. Read critically and comment on primary research papers in neuroscience
 - Conduct literature reviews, identify key papers in a restricted area of neuroscience
 - Read primary research papers and comment critically on their content
- C. Write a full APA style journal article based on an experiment in behavioural neuroscience
 - Know how to conduct a simple study using provided tools
 - Know how to describe the findings of such a study in written format
- D. Prepare and deliver a seminar presentation on a topic in neuroscience
 - Plan an oral presentation by reading an assigned paper and conducting library research to fill in necessary context
 - Deliver an oral presentation soliciting feedback from class members to ensure understanding

Required Texts and Materials

- Sylvius 4 online

-a one year subscription is available here: <http://www.sinauer.com/sylvius-4-an-interactive-atlas-and-visual-glossary-of-human-neuroanatomy.html>

- Original journal articles as specified on the syllabus.

Readings Available on LEARN

- Course notes associated with each module
- Original research articles
- Powerpoint slides used for lectures

Course Requirements and Assessment

<u>Assessment</u>	<u>Date of Evaluation (if known)</u>	<u>Weighting</u>
Neuroanatomy Test	Feb 8	25
Lab 1	March 4	20
Presentation	Various	15
Presentation discussant	Various	5
Lab 2	April 4	25
Weekly online questions	Various	10
Total		100%

***up to 4 bonus points available through SONA participation

Notes on Assessments

Course Outline

Late Work

Deadlines for papers are clearly stated in the syllabus. Except for accommodations due to illness or bereavement, a penalty of 5% per day will be imposed on late submissions (weekend days included). Drop boxes for written assignments will close 7 days following the stated deadlines, after which written work will no longer be accepted.

Experiential Learning with SONA

Since experiential learning is highly valued in the Department of Psychology, students may earn a "bonus" grade of up to 4% in this course through research experience. Course work will make up 100% of the final mark and a "bonus" of up to 4% may be earned and will be added to the final grade if/as needed to bring your final grade up to 100%.

The two options for earning research experience grades (participation in research and article review) are described below. Students may complete any combination of these options to earn research experience grades.

Option 1: Participation in Psychology Research, Research Experiences Group (REG)

Research participation is coordinated by the Research Experiences Group (REG). Psychology students may volunteer as research participants in lab and/or online (web-based) studies conducted by students and faculty in the Department of Psychology. Participation enables students to learn first-hand about psychology research and related concepts. Many students report that participation in research is both an educational and interesting experience. Please be assured that all Psychology studies have undergone prior ethics review and clearance through the Office of Research Ethics.

Educational focus of participation in research

To maximize the educational benefits of participating in research, students will receive feedback information following their participation in each study detailing the following elements:

Purpose or objectives of the study

Dependent and independent variables

Expected results

References for at least two related research articles

Provisions to ensure confidentiality of data

Contact information of the researcher should the student have further questions about the study

Contact information for the Director of the Office of Research Ethics should the student want to learn more about the general ethical issues surrounding research with human participants, or specific questions or concerns about the study in which s/he participated.

Participation in LAB studies is worth 0.5 participation credits (grade percentage points) for each 30-minutes of participation. Participation in ONLINE studies is worth .25 credits for each 15-minutes of participation. Researchers will record student's participation and will advise the course instructor of the total credits earned by each student at the end of the term.

How to participate?

Study scheduling, participation and grade assignment is managed using the SONA online system. All students enrolled in this course have been set up with a SONA account. You must get started early in the term.

For instructions on how to log in to your SONA account and for a list of important dates and deadlines please, as soon as possible go to:

*** Please do not ask the Course Instructor or REG Coordinator for information unless you have first thoroughly read the information provided on this website.***

Option 2: Article Review as an alternative to participation in research

Students are not required to participate in research, and not all students want to do so. As an alternative, students may opt to gain research experience by writing short reviews (1½ to 2 pages) of research articles relevant to the course.

You must contact your TA to get approval for the article you have chosen before writing the review. Each review article counts as one percentage point. To receive credit, you must follow specific guidelines. The article review must:

Be submitted before the last day of lectures. Late submissions will NOT be accepted under ANY circumstances.

Information on Plagiarism Detection

I have chosen not to use plagiarism detection software in this course. You should know, however, that both the teaching assistants and I have an expert eye for cheating developed over many years of experience. Any suspected violations of the University's integrity policy will be treated seriously and reported to the appropriate authorities. As per the note on integrity below, it is the student's responsibility to understand what plagiarism is and to avoid committing it.

Electronic Device Policy

You are welcome to use notebook computers or smartphones in my classroom for note-taking, and even the occasional Google search of something related to discussion would not be inappropriate. I would appreciate it if all chimes, beeps, tweets and ringtones (especially those which sample music I don't like) be muted during class. Also, surfing of unrelated sites during the class can be very disruptive to your fellow students. If I see you doing this, I will ask you to stop.

Attendance Policy

There is ample evidence that students who attend class regularly do better than those who don't. This, and the fact that you're investing a large amount of money to obtain a good education, should make questions about class attendance a no-brainer. You should come to class as often as you can. If you can't come to class, please let me know in advance.

Accommodations for Students with Disabilities Access-Ability Services, 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 Access-Ability Services at the beginning of each academic term.

Concerns About the Course or Instructor (Informal Stage) We in the Psychology Department take great pride in the high quality of our program and our instructors. Though infrequent, we know that students occasionally find themselves in situations of conflict with their instructors over course policies or grade assessments. If such a conflict arises, the Associate Chair for Undergraduate Studies (Richard Eibach) is available for consultation and to mediate a resolution between the student and instructor. Contact information is as follows:

Richard Eibach Email reibach@uwaterloo.ca Ph 519-888-4567 ext 38790

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. See Policy 70 and 71 below for further details.

Academic Integrity, Academic Offenses, Grievance, and Appeals

To protect course integrity, as well as to provide appropriate guidance to students, course outlines in the Faculty of Arts must include the following note on avoidance of academic offenses:

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.

[Further details: <http://www.uwaterloo.ca/academicintegrity/>]

Discipline: A student is expected to know what constitutes academic integrity [<http://www.uwaterloo.ca/academicintegrity/>], to avoid committing academic offenses, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offense, or who needs help in learning how to avoid offenses (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. When misconduct has been found to have occurred, disciplinary penalties will be imposed under Policy 71 - Student Discipline. For information on categories of offenses and types of penalties, students should refer to Policy 71 - Student Discipline [<http://www.adm.uwaterloo.ca/infosec/Policies/policy71.htm>].

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 [<http://www.adm.uwaterloo.ca/infosec/Policies/policy70.htm>].

Appeals: A student may appeal the finding and/or penalty in a decision made under Policy 70 - Student Petitions and Grievances (other than regarding a petition) or Policy 71 - Student Discipline if a ground for an appeal can be established. Read Policy 72 - Student Appeals [<http://www.adm.uwaterloo.ca/infosec/Policies/policy72.htm>]. (Include also the following paragraph if you will be using Turnitin*): Plagiarism detection software (Turnitin) will be used to screen assignments in this course. This is being done to verify that use of all materials and sources in assignments is documented. In the first week of the term, details will be provided about arrangements

for the use of Turnitin in this course.

Academic Integrity website (Arts): http://arts.uwaterloo.ca/arts/ugrad/academic_responsibility.html

Academic Integrity Office (UW): <http://uwaterloo.ca/academicintegrity/>.