

Physiological Psychology I

PSYC-2900-001

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1 Course Description

This course is an introduction to the physiological determinants of behaviour. The development, structure, and function of the nervous and endocrine systems are considered in detail. Students will also learn about the neural underpinnings of sensory processes, movement, emotions, and memory. Although this course is not clinical in its focus, the behavioural consequences of brain damage will also be discussed during specific lectures.

1.1 Course Delivery

Lecture The lecture component of the course will be delivered in person. All exams will also be conducted in person.

Laboratory The laboratory component of the course will be delivered live online. More details on the Zoom link etc. will be provided by the lab instructor.

1.2 Course Material

Revel Physiology of Behavior. 13th ed. By Neil R. Carlson, Melissa A. Birkett (ISBN: 9780135455326)

The text may be purchased through the bookstore or directly through the publisher's website with this link: <https://console.pearson.com/enrollment/bhpyo1>

1.3 Course Objectives

Lectures will provide an introduction to the problems, methods of inquiry, and major content areas of physiological psychology. Strong emphasis will be placed on the anatomy and functional neurophysiology of the central nervous system in mammals, with particular attention being paid to the human species. Labs and demonstrations will cover topics including the evolution of brain and behaviour, functional neuroanatomy, cellular neurophysiology, sensory and motor processes, and research techniques in experimental and clinical neuroscience.

2 Evaluation

Three non-cumulative exams will contribute equally (i.e. 25%) towards the final grade. Material from both the textbook AND lectures will be represented on the exams. This includes information from the textbook that is not explicitly covered in the lecture and vice versa. I will make clear any exceptions to this policy in advance of the exams.

The remaining 25% of the grade will be assigned based on assignments and quizzes in the laboratory portion of the course. Details of the lab topics and assignments will be provided separately.

2.1 Exam Policies

2.1.1 Absences:

If you are ill or have a family emergency, writing an alternate exam without penalty may be arranged by contacting the instructor and providing appropriate documentation (e.g. doctor's note).

If you contact the instructor within 48 hours of missing an exam, it will be possible to write an alternate exam, with a 15% penalty (i.e., if you scored 80% on the alternate exam, it will be listed as 65% on the grade sheet). This penalty is to prevent students from taking an extra time to study when their peers wrote the exam on time. Thus, it is not to your advantage to miss an exam. If the instructor is not contacted within 48 hours of the missed exam, the student will receive a grade of 0 for that test. **Alternate exams are not given on the basis of a 'less than expected' grade.**

2.2 Final Grades

Letter grades will be assigned based on the following scheme. Final grades are subject to approval by the Department and the Senate. See the Academic Dates, Regulations, and Policies from the UW General Calendar at <http://www.uwinnipeg.ca/academics/calendar/index.html> for further details

A+: 95–100 (or at instructor's discretion); A: 85–94; A-: 80–84; B+: 75–79; B: 70–74; C+: 65–69; C: 58–64; D: 50–57; F: 0–49

3 Lecture and Exam Schedule

Lectures	Exam	Textbook
September 8 - October 4	October 6	Chapters 1,2,3
November 5 - November 8	November 10	Chapters 4,5
November 10 - December 6	TBD	Chapters 6,7

3.1 Other Important Dates

- The first day of Fall classes is Wednesday, September 8, 2021.
- Fall Reading Week: March 10-16, 2021.
- No classes will be held on
 - Thursday, September 30, 2021 (the National Day of Truth and Reconciliation): make-up lecture day will be Wednesday, December 8, 2021 and will be scheduled in accordance with a Thursday schedule.
 - Thanksgiving Day (October 11, 2021)
 - November 11, 2021 (Remembrance Day): make-up lecture day is December 7 and will be scheduled in accordance with a Thursday schedule.
- November 16, 2021 is the final date to withdraw from the course without academic penalty.
- The last day of Fall classes is Monday December 6, 2021.

4 Other Important Information

1. When it is necessary to cancel a class due to exceptional circumstances, the instructor will make every effort to inform students via uwinnipeg email.
2. Students are reminded that they have a responsibility to regularly check their uwinnipeg e-mail addresses to ensure timely receipt of correspondence from the University and/or their course instructors.
3. Please note that withdrawing before the voluntary withdrawal date does not necessarily result in a fee refund.
4. Avoiding Academic and Non-academic Misconduct. Students are encouraged to familiarize themselves with the Academic Regulations and Policies found in the University Academic Calendar at: <https://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>. Particular attention should be given to subsections 8 (Student Discipline), 9 (Senate Appeals), and 10 (Grade Appeals). Please note, in particular, the subsection of Student Discipline pertaining to plagiarism and other forms of cheating. Detailed information can be found at the following:
 - Academic Misconduct Policy and Procedures: <https://www.uwinnipeg.ca/institutional-analysis/docs/policies/academic-misconduct-policy.pdf> and <https://www.uwinnipeg.ca/institutional-analysis/docs/policies/academic-misconduct-procedures.pdf>

- Non-Academic Misconduct Policy and Procedures: <https://www.uwinnipeg.ca/institutional-analysis/docs/student-non-academic-misconduct-policy.pdf> and <https://www.uwinnipeg.ca/institutional-analysis/docs/student-non-academic-misconduct-procedures.pdf>
5. Avoiding Copyright Violation. Course materials are owned by the instructor who developed them. Examples of such materials are course outlines, assignment descriptions, lecture notes, test questions, and presentation slides. Students who upload these materials to filesharing sites, or in any other way share these materials with others outside the class without prior permission of the instructor/presenter, are in violation of copyright law and University policy. Students must also seek prior permission of the instructor /presenter before photographing or recording slides, presentations, lectures, and notes on the board.
 6. The following Senate Regulations and faculty guidelines also apply to this course:
 - a) Senate approved final grades for all courses (other than pass/fail) include A+, A, A-, B+, B, C+, C, D and F. Final grades shall be approved by the Department Review Committee and may be subject to change.
 - b) Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide opportunity for students to make-up work and/or examinations without penalty. A list of religious holidays can be found in the 2020-2021 Academic Calendar, in the section, Important Notes (<https://www.uwinnipeg.ca/academics/calendar/dates.html>).
 - c) Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams or during lectures/laboratories are encouraged to contact Accessibility Services (AS) at 204.786.9771 or <https://www.uwinnipeg.ca/accessibility-services/> to discuss appropriate options. All information about a student's disability or medical condition remains confidential
 - d) All students, faculty and staff have the right to participate, learn and work in an environment that is free of harassment and discrimination. The UW Respectful Working and Learning Environment Policy may be found online at www.uwinnipeg.ca/respect