

PSY290H1 F LEC0101 20229:Behavioural Neuroscience

[Jump to Today](#)

 [Edit](#)

Behavioural Neuroscience (PSY290H)

Tuesday 1 pm - 4 pm @ SS 2102

Instructor: Junchul Kim (junchul.kim@utoronto.ca (<mailto:junchul.kim@utoronto.ca>))

Office: SS 4028

Office hour: Tuesday 12 pm – 1 pm

Teaching Assistants: Thomas Biba (thomas.biba@mail.utoronto.ca (<mailto:thomas.biba@mail.utoronto.ca>))

Michael Dubois (m.dubois@mail.utoronto.ca (<mailto:m.dubois@mail.utoronto.ca>))

Arya Rahbarnia (arya.rahbarnia@mail.utoronto.ca (<mailto:arya.rahbarnia@mail.utoronto.ca>))

Course Description

This course reviews the present understanding of the biological basis of behavior. You will learn about the anatomy and function of the nervous system, the way in which neurons communicate with one another, and the major neurotransmitter systems. These fundamental introductory concepts will provide you with the necessary background to understand the material covered in the later parts of the course in which you will learn about how the nervous system processes sensory information and controls movement, how it is involved in producing motivated behaviours and emotions, and how dysfunctions in the nervous system can produce pathological behaviours such as those associated with psychiatric conditions and neurodegenerative disorders.

Prerequisite: PSY100H1/PSY100Y5/PSYA01H3

Exclusion: HMB200H1/PSL300H1/PSY290H5/PSYB64H3

Please note to students that they must meet these prerequisite/exclusions requirements and that no waivers will be granted.

Textbook (Optional): Biopsychology 9th or 10th Edition, Pinel

COURSE WEBSITE

All course-related information will be provided on Quercus, including course syllabus and lecture notes. Announcements relating to the course will also be posted on Quercus. It is your responsibility to check the course website on a regular basis for any pertinent announcements. Lecture notes for a given class will be posted on the day of the lecture.

EVALUATION:

Term Test #1 30%

Term Test #2 30%

Final Exam 40%

STRUCTURE OF TERM TESTS AND FINAL EXAM

The exams will consist of mostly multiple-choice questions and some short-answer questions. **Term tests will not be cumulative**. However, knowledge of prior material will be necessary as a foundation to understand and answer the questions. **The final exam will be cumulative**. Grades will be posted on Quercus. Tests will not be returned to you. You will have the opportunity to view your tests during scheduled office hours. Please contact Accessibility Services if you want accommodations on the Midterm or Final Exam.

Missed term tests: You will lose all of the points that are assigned to a term test if you miss it. If you have legitimate excuses, such as documented family emergency and documented illness, the documents need to be submitted within one week of a missed term test. Only if the document is submitted within one week from the missed term test, the score for the other term test will be used to substitute for the score for the missed term test (i.e., term test #1/#2 – 40% and final exam – 60%). **Students must use the ACORN Absence Declaration tool to document their absence from a test or assignment.**

ACCESSIBILITY NEEDS

The University of Toronto is committed to accessibility. If you require accommodations for a disability, or have any accessibility concerns about the course, the classroom or course materials, please contact Accessibility Services as soon as possible: disability.services@utoronto.ca or <http://studentlife.utoronto.ca/accessibility>

SCHEDULE OF LECTURES (topics subject to change)

Sep. 13 Introduction: Genes and Environments Chapters 1 and 2

Sep. 20 Neuroanatomy Chapter 3

Sep. 27 Neurophysiology Chapter 4

Oct. 4 Research Methods Chapter 5

Oct. 11 Midterm I (30%)

Oct. 18 Sensory System Chapter 7

Oct. 25 Motor System Chapter 8

Nov. 1 Brain Development Chapter 9, 10

Nov. 8 Reading week

[/support.papersapp.com/support/solutions/articles/30000042293-](https://support.papersapp.com/support/solutions/articles/30000042293-)

Nov. 15 Midterm II (30%)

Nov. 22 Eating, Sex and Hormones Chapter 12, 13

Nov. 29 Sleep, Rhythm, Drugs and Rewards Chapter 14, 15

Dec. 6 Emotion and stress Chapter 17, 18

Exam period Final Exam (40%)

Course Summary:

Date	Details	Due
------	---------	-----

 [Final exam](https://q.utoronto.ca/courses/280275/assignments/923995)
(<https://q.utoronto.ca/courses/280275/assignments/923995>)

 [Term test 1](https://q.utoronto.ca/courses/280275/assignments/923992)
(<https://q.utoronto.ca/courses/280275/assignments/923992>)

 [Term test 2](https://q.utoronto.ca/courses/280275/assignments/923994)
(<https://q.utoronto.ca/courses/280275/assignments/923994>)
