PSY290H1 S LEC0101 20221:Behavioural Neuroscience

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***** PLEASE NOTE *****

1. Due to new COVID-19 restrictions, first three lectures (Jan 11, Jan 18, and Jan 25) will be delivered online asynchronously (i.e., as pre-recorded lectures).

2. One hour-long Q and A Zoom session will be held on Tuesday at 1 pm during the regular lecture hour. The Q and A session will be recorded and made available through the Quercus.

*****Please use the following zoom link for the Q and A session:**

https://utoronto.zoom.us/j/5658016438

Meeting ID: 565 801 6438

Passcode: 497570

Behavioural Neuroscience (PSY290H)

Tuesday 1 pm - 4 pm @ SS 2135

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))
Kirk Geier (kirk.geier@mail.utoronto.ca (mailto:kirk.geier@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 and DUE DATES:

Term Test #1 30% Feb 8
Term Test #2 30% Mar 15
Final Exam 40% TBA

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

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.

/support.papersapp.com/support/solutions/articles/30000042293- - on)

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)

Jan. 11 Introduction, Evolution and Genes Chapters 1 and 2

Jan. 18 Neuroanatomy Chapter 3

Jan. 25 Neurophysiology Chapter 4

Feb. 1 Research Methods Chapter 5

Feb. 8 Midterm I (30%)

Feb. 15 Sensory System Chapter 7

Feb. 22 Reading week

Mar. 1 Motor System Chapter 8

Mar. 8 Brain Development Chapter 9, 10

Mar. 15 Midterm II (30%)

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

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

April. 5 Emotion and stress Chapter 17, 18

Exam period Final Exam (40%)

Course Summary:

Date	Details	Due
Wed Feb 10, 2021	Term test 1 (https://q.utoronto.ca/courses/254907/assignments/768430)	due by 8am
Wed Mar 17, 2021	Term test 2 (https://q.utoronto.ca/courses/254907/assignments/768431)	due by 8am
Mon Apr 19, 2021	Final exam (https://q.utoronto.ca/courses/254907/assignments/768432)	due by 11pm