

PSY393H5F - Human Neuropsychology

Course Delivery

This is an online, asynchronous course. Lectures will be given as a series of short videos totaling 2-3 hours/ week posted on Quercus. Students will have the opportunity for synchronous online office hours via Zoom to ask questions and get clarifications about lecture content. Discussion boards will also be available to ask questions if students are unable to attend live office hours.

Assignments are due on the dates listed on schedule on the last page of this document.

Tests and the final exam will be time-limited and administered as Quercus quizzes.

Learn Anywhere Guide for Students

<https://library.utm.utoronto.ca/students/quercus/learn-anywhere>

Contact Information

Course Instructor: Dr. Christine Burton
email: christine.burton@utoronto.ca

Office hour: Tuesdays 2-3pm via Zoom

Teaching Assistants:

Junior Steininger: junior.steininger@utoronto.ca

Mahmoud Bitar: m.bitar@mail.utoronto.ca

The TAs will not hold regular office hours, but will be available to answer questions after you receive your graded work.

Course Description

This course is intended to provide a general introduction to the field of human neuropsychology. Specifically, we will explore how complex higher-order cognitive functions are mediated through cortical and subcortical neural networks. We will discuss *how* we function the way we do, covering topics such as perception, memory, language, executive function and social cognition.

By the end of the course you should be able to:

- Describe the major anatomical divisions of the central nervous system and the connectivity between them
- Understand how multiple cortical and subcortical structures interact to control complex behaviour
- Interpret primary research and effectively synthesize information in a growing field of knowledge

Prerequisites: PSY201H5/equivalent, 290H5, 270H5

If you have questions about missing prerequisites, the waiting list or other enrollment issues, please contact the Academic Counsellor for further information at jodie.stewart@utoronto.ca

Reading Material

Recommended: Gazzaniga, M., Ivry, R. & Mangun, G. (2018). Cognitive Neuroscience: The Biology of the Mind (5thed). Norton Publishers.

Course Evaluation

Unit 1 test	May 19 or 20 120 minutes	22%	Anatomy and methods take-home quiz	Due May 12	5%
Unit 2 test	June 2 or 3 120 minutes	23%	Literature search tasks	See course outline for due dates	4 @ 5% each = 20%
Final exam	TBA 120 minutes	25%	Kahoot participation	Ongoing	5%

Assignments

The goal of the assignments is to give you practice using online databases to search for, and interpret, primary research. Research in the area of human neuropsychology is growing exponentially as new brain imaging technology emerges. The results of this research are often conflicting and can sometimes seem confusing so it is important that you know what you are looking for. The goal of the literature search tasks is to help you see the forest for the trees! That is, the assignment is intended to direct you to find a common theme among details. You will be given 5 literature search tasks, each with a specific goal. The primary focus of these assignments will be the information gathering and synthesis, but you will be expected to submit a short written summary of your search. Only your best 4 will be included in your final grade. Detailed instructions about the assignments are posted on the course webpage.

Normally, students will required to submit their course essays to Turnitin.com for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the Turnitin.com reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of the Turnitin.com service are described on the Turnitin.com web site.

You may opt out of using Turnitin.com to submit your course work, in which case alternative arrangements can be made to support your written work (e.g. providing research notes, etc.). If you intend to opt out of Turnitin.com, please **inform your Instructor by Tuesday, May 12** so alternate arrangements can be made.

Tests and quiz

It is essential that you have a basic understanding of brain anatomy as you progress through the material in this course. In order to encourage you to learn this anatomy, there will be a take-home quiz testing this material early in the course. **The quiz will be available to complete on Quercus between May 8 and May 12.** You will have 1 hour to complete the quiz once you have started it and 1 opportunity to submit your answers.

The Unit tests and final exam will be administered as Quercus quizzes. You will have 2 hours to complete each term test but the tests will be open for a 2-day window so you can select when you would like to write it. The exam will held during the exam period, as set by the registrar. Each test and exam will cover material only from that unit (e.g. they are not cumulative).

Participation

Research has demonstrated that a good way to learn material is to be tested on it. With that goal in mind, I will prepare practice test questions to complete after each lecture using the free app "Kahoot" (kahoot.com). These questions will be scored based on participation only (10 weeks X 0.5% each = 5%).

Course Webpage

The website associated with this course is accessible via <http://q.utoronto.ca>

Note: You don't need to create a new login for Canvas; it already knows who you are. You just need your UTORid and password. This is the same login that gets you onto the wireless network with your laptop, and the same one that you use to check your email. If you're confused about your UTORid or don't remember your password, go to: <https://www.utorid.utoronto.ca/>

In order to access course material, monitor course information, and view your grades you must log into Canvas. If you have any general questions regarding Canvas, please visit the following help site: <https://library.utm.utoronto.ca/faculty/canvas>

IMPORTANT COURSE POLICIES ****PLEASE READ****

Email

The main source of communication in the course will be email. Due to incompatibility issues with the Blackboard portal and some email servers (e.g. hotmail, etc.) you must send all email from your utoronto.ca account. Please include the course number (PSY393) in the subject line in all your emails about the course.

Make sure you check your notification settings in Quercus to ensure you will receive email and announcement notifications.

Requests for Re-grading

Any requests to re-grade tests or literature assignments should be made in a timely fashion. Requests to re-grade term tests must be made before the next scheduled test or exam. Requests to re-grade literature search tasks must be made within 1 week of the return of the graded report. **Please direct all requests for re-grading directly to the TA who marked your work.** If you are dissatisfied after meeting with the TA you may submit your work to the instructor. Keep in mind that if you submit your work to be re-graded, your grade could go up or down. This policy applies to work submitted to the instructor or the TAs.

Missed Test Special Consideration Request Process

Students who miss a test due to circumstances beyond their control (e.g. illness or an accident) can request that the Department grant them special consideration. Students must present their case to the Department (NOT the Instructor) by submitting a request via the online Special Consideration Request form at: <https://utmapp.utm.utoronto.ca/SpecialRequest>.

Important note: Once the test/exam is available online and you're unable to write or have an approved request to miss, **DO NOT** at any point attempt to access the test/exam. If you at any time access the test/exam, you will **NOT** be able to submit a special consideration and/or your request will be refused.

Supporting Documentation

The University is temporarily suspending the need for a doctor's note or medical certificate for any absence from academic participation. However, you are required to use the Absence Declaration tool on ACORN found in the Profile and Settings menu to formally declare an absence from academic participation. The tool is to be used if you require consideration for missed academic work based on the procedures specific to our campus/department.

If your request is approved by the department, the weight of the missed test will be redistributed to any remaining tests/exam.

Extension of Time Special Consideration Request Process

Students who seek to be granted more time to complete their term work beyond the due date without penalty, owing to circumstances beyond their control (e.g., illness, or an accident), must do so by submitting a request directly to the Instructor for the period up to and including the last day of the term. The decision as to whether or not to apply a penalty for the specified period rests with the Instructor.

Students who seek to be granted more time to complete term work beyond the last day of the term must submit their request directly to the Department. This request covers the period following the last day of classes and ends the last day of the exam period. This is done by submitting a request via the online Special Consideration Request form at <https://utmapp.utm.utoronto.ca/SpecialRequest>. You are advised to seek advising by the departmental Undergraduate Counsellor prior to the deadline.

Supporting Documentation

The University is temporarily suspending the need for a doctor's note or medical certificate for any absence from academic participation. However, you are required to use the Absence Declaration tool on ACORN found in the Profile and Settings menu to formally declare an absence from academic participation. The tool is to be used if you require consideration for missed academic work based on the procedures specific to our campus/department.

For extensions of time beyond the examination period you must submit a petition through the Office of the Registrar. <http://www.utm.utoronto.ca/registrar/current-students/petitions>

Penalties for Lateness

A penalty of 10% per calendar day (i.e., including week-ends and holidays, during which students are not able to submit term work) up to and including the last day of classes, will be applied by the Instructor. After the last day of classes, the penalty of 10% per calendar day will be applied by the Undergraduate Counsellor on behalf of the Department. No penalty will be assigned if request for special consideration, described above, was successful.

Academic Guidelines

It is your responsibility to ensure that you have met all prerequisites listed in the UTM Calendar for this course. If you lack any prerequisites you WILL BE REMOVED from the course up until the last day to add a course. Further information about academic regulations, course withdrawal dates and credits can be found in the University of Toronto Mississauga Calendar at: <http://www.erin.utoronto.ca/regcal/>.

You are encouraged to read this material. If you run into trouble and need advice about studying, preparing for exams, note taking or time management, free workshops and advice are available from the Robert Gillespie Academic Skills Centre at 905-828-5406.

AccessAbility Services

Students requiring academic accommodations for learning, physical, sensory, or mental health disabilities or medical conditions should contact the AccessAbility Office (2037B Davis Building), 905-828-3847. <http://www.utm.utoronto.ca/accessability/>

Academic Honesty and Plagiarism

Honesty and fairness are considered fundamental to the university's mission, and, as a result, all those who violate those principles are dealt with as if they were damaging the integrity of the university itself. When students are suspected of cheating or a similar academic offence, they are typically surprised at how formally and seriously the matter is dealt with -- and how severe the consequences can be if it is determined that cheating did occur. The University of Toronto treats cases of cheating and plagiarism very seriously. Please take the time to review the Academic Integrity website: <http://www.utm.utoronto.ca/academic-integrity/students>.

- Common trends in academic offences:
- Plagiarizing/concocted references
- Collaboration/unauthorized assistance
- Purchasing work
- Recycling work - "double-dipping"
- Resubmitting of altered work for re-grading
- Electronic devices (cell phones) or any unauthorized aids
- Altering medical certificates and UofT documents

From the Code of Behaviour on Academic Matters: "It shall be an offence for a student to knowingly: represent as one's own any idea or expression of an idea or work of another in any academic examination or term test or in connection with any other form of academic work, i.e. to commit plagiarism. Wherever in the Code an offence is described as depending on "knowing", the offence shall likewise be deemed to have been committed if the person ought reasonably to have known." All students must refer to this website to obtain information on what constitutes plagiarism.

<http://www.writing.utoronto.ca/advice/using-sources/how-not-to-plagiarize>.

If questions arise after reading the material on the website, consult your instructor.

With regard to remote learning and online courses, UTM wishes to remind students that they are expected to adhere to the Code of Behaviour on Academic Matters regardless of the course delivery method. By offering students the opportunity to learn remotely, UTM expects that students will maintain the same academic honesty and integrity that they would in a classroom setting. Potential academic offences in a digital context include, but are not limited to:

Remote assessments:

1. **Accessing unauthorized resources (search engines, chat rooms, Reddit, etc.) for assessments.**
2. **Using technological aids (e.g. software) beyond what is listed as permitted in an assessment.**
3. **Posting test, essay, or exam questions to message boards or social media.**
4. **Creating, accessing, and sharing assessment questions and answers in virtual "course groups."**
5. **Working collaboratively, in-person or online, with others on assessments that are expected to be completed individually.**

Plagiarism will not be tolerated.

Equity Statement

The University of Toronto is committed to equity and respect for diversity. All members of the learning environment in this course should strive to create an atmosphere of mutual respect. As a course instructor, I will neither condone nor tolerate behaviour that undermines the dignity or self-esteem of any individual in this course and wish to be alerted to any attempt to create an intimidating or hostile environment. It is our collective responsibility to create a space that is inclusive and welcomes discussion. Discrimination, harassment and hate speech will not be tolerated. If you have any questions, comments, or concerns you may contact the UTM Equity and Diversity officer at edo.utm@utoronto.ca or the University of Toronto Mississauga Students' Union Vice President Equity at vpequity@utmsu.ca.

Academic Rights

You, as a student at UTM, have the right to:

- Receive a syllabus by the first day of class.
- Rely upon a syllabus once a course is started. An instructor may only change marks' assignments by following the University Assessment and Grading Practices Policy provision 1.3.
- Refuse to use turnitin.com (you must be offered an alternative form of submission).
- Have access to your instructor for consultation during a course or follow up with the department chair if the instructor is unavailable.

- Ask the person who marked your term work for a re-evaluation if you feel it was not fairly graded. You have up to one month from the date of return of the item to inquire about the mark. If you are not satisfied with a re-evaluation, you may appeal to the instructor in charge of the course if the instructor did not mark the work. If your work is remarked, you must accept the resulting mark. You may only appeal a mark beyond the instructor if the term work was worth at least 20% of the course mark.
- Receive at least one significant mark (15% for H courses, 25% for Y courses) before the last day you can drop a course for H courses, and the last day of classes in the first week of January for Y courses taught in the Fall/Winter terms.
- Submit handwritten essays so long as they are neatly written.
- Have no assignment worth 100% of your final grade.
- Not have a term test worth 25% or more in the last two weeks of class.
- Retain intellectual property rights to your research.
- Receive all your assignments once graded.
- View your final exams. To see a final exam, you must submit an online Exam Reproduction Request within 6 months of the exam. There is a small non-refundable fee.
- Privacy of your final grades.
- Arrange for representation from Downtown Legal Services (DLS), a representative from the UTM Students' Union (UTMSU), and/or other forms of support if you are charged with an academic offence.

Course Outline

	Lecture number	Topic	Readings
Unit 1: Brain organization and theories of function	1	Introduction, history, and methods	Chapters 1-4 and 8
	2	Brain structure	
	May 12	Anatomy and methods quiz due	
	3	Cerebral asymmetry	
	4	Action	
	May 19 or 20	Unit 1 test	
Unit 2: Primary cognitive functions	5	Attention	Chapters 7, 9, and 11
	6	Memory	
	7	Language	
	June 2 or 3	Unit 2 test	
Unit 3: Higher order and socio-emotional functions	8	Cognitive control: Cool control	Chapters 10, 12, and 13
	9	Cognitive control: Hot control	
	10	Emotion	

Test and Assignment Due dates

Literature search tasks are due by 11:59pm on Thursdays beginning May 14

Unit tests are scheduled for Tuesdays

Kahoot participation is due by 11:59pm on the Friday before the Unit test or exam (although I recommend completing them immediately after listening to the lecture)

The final exam will be set by the UTM Registrar

Below is a list of all the due dates for the term:

May 12: Anatomy and methods quiz due

May 14: Lit search task 1 due

May 15: Unit 1 Kahoots due

May 19 or 20: Unit 1 test

May 21: Lit search task 2 due

May 28: Lit search task 3 due

May 29: Unit 2 Kahoots due

June 2 or 3: Unit 2 test

June 4: Lit search task 4 due

June 11: Lit search task 5 due

June 12: Unit 3 Kahoots due