

PSY393H5S - Human Neuropsychology

Tuesday & Thursday 10:00am – 1:00pm

Room Location: Deerfield Hall Room 2060

Contact Information

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Office Hours:

Tuesdays and Thursdays 9-10 am in Deerfield Hall Room 4023.

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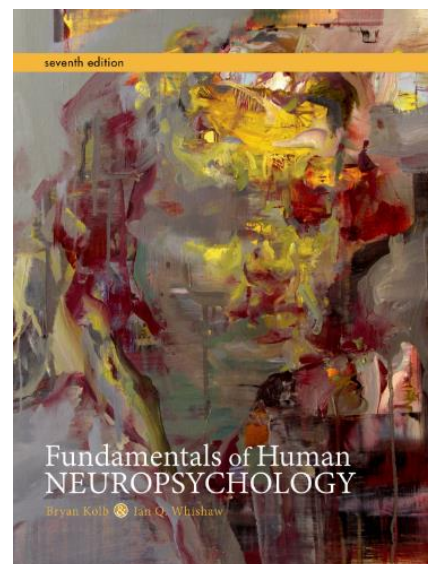
Course Description

This course will review major topics in cognitive neuroscience, with an emphasis on human function. Sample topics include issues such as memory disorders and models of memory, split brain research, language and aphasia, attention, emotion, and executive functions.

Prerequisite: PSY201H5/equivalent, 290H5, 270H5

Course Materials

Kolb, B. & Wishaw, I.Q. (2015).
Fundamentals of Human Neuropsychology (7th ed.). New York, NY: Worth Publishers.



Course Evaluation

| Percentage | Name | Description | Date |
|------------|--------------------|-----------------------------------------------------------------|--------------------------|
| 25% | Midterm 1 | Lectures: 1-4 Chapters: 1, 3, 11, 8, 9 | July 18, 2017 |
| 25% | Midterm 2 | Lectures: 5-7 Chapters: 13, 14, 15, 18 | August 1, 2017 |
| 15% | Written Assignment | Critical review of an empirical article. See below for details. | August 6, 2017 |
| 10% | Anki Flashcards | See below for details. | July 13; July 27; Aug 11 |
| 25% | Final Exam | Lectures: 8-10 Chapters: 16, 19, 22, 28 | TBD |

Midterms and Final Exams: The exams will consist of 40 multiple choice questions, 10 definition questions, and 6 written questions. Each exam will be worth 25% of your final mark. The first midterm will cover lectures 1-4 and chapters 1, 3, 9, 11, and 23. The second midterm will cover lectures 5-7 and chapters 13, 14, 15, and 18. The final will cover lectures 8-10 and chapters 16, 19, 22, and 28. The date/time/location of the midterms has been requested to overlap class times but the exact dates/times may be different based on space limitations. All final exams are scheduled through the registrar's office and will take place during the final exam period. Please keep an eye out for an announcement regarding the exact date/time/locations and selected sections (if possible) for all exams on blackboard.

Written Assignment: Every experiment conducted is plagued with limitations with respect to the experimental design. To this end, you will be required to submit a **review and critical analysis** of an empirical article of your choice, so long as it is related to topics within neuropsychology (e.g., memory, executive functions, visuospatial abilities, language, etc). More specifically, you are required to briefly introduce the topic, summarize the methodology, findings, and clinical implications. Following this you will provide, in detail, recommendations of how you would modify the experiment to improve the scientific merit of the study and reduce the number of limitations the original study had. In other words, you will summarize a study and then describe a possible follow up study. To support your arguments, you must cite and reference other articles (empirical articles, reviews, meta-analyses...etc).

The length of the body is expected to be a minimum of 8 pages - to a maximum of 10 pages long (double spaced, 12 pt Times New Roman with 1" margins) and you must include at least 10 references from peer-reviewed journals. The papers will be evaluated in the following spheres: appropriateness of article, review of article, insight into limitations of the article, follow up proposal, feasibility & ingenuity of proposal, detail and clarity of proposal methods, potential implications of findings along with clarity/writing style, organization/formatting, title page & references. As for formatting, you must follow either APA 5 or 6 style (please choose one and be consistent throughout). You must include a title page, body and references (no abstract). A rubric will be posted on blackboard and class-time will be set aside to discuss the written assignment in detail.

A copy of the written assignment must be submitted to Turnitin.com (instructions will be posted on BlackBoard). Due dates will be on August 6, 2017 at 11:59pm.

Anki Flashcards: In an effort to improve study habits and retention of material based on accepted scientific theory of memory, we will be using Anki flashcards.

Anki is an easy to use flashcards app that utilizes the scientific concepts of active recall testing and spaced retrieval. Essentially, these are effective and efficient ways to learn/remember almost anything. Accordingly, you are responsible for coming up with 5 quality* flashcards per chapter covered in the course.

There will be three submission periods; before the first, second, and final exam. Submission details and deadlines will be posted on blackboard. We will then upload all of the cards onto a shared deck and distribute them for everyone to use to help them study for the upcoming exam.

Here is the breakdown of the marks per submission:

- 4% first submission (all chapters covered for the first midterm)
- 3% second submission (all chapters covered for the second midterm)
- 3% final submission (all chapters covered for the final exam)

**Quality refers to well thought-out questions/flashcards and not simply filler text. We will be reviewing all submissions.*

The app is free to download is available on most app stores. It is free for Android users but for whatever reason has a cost associated for iOS. As a free alternative, I recommend using the desktop program for your computer (free) or Anki-web (free). You can synchronize your cards/deck across all devices.

Course Webpage

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

Note: You don't need to create a new login for Blackboard; 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 Blackboard. If you have any general questions regarding Blackboard, please visit the following help site: <http://www.portalinfo.utoronto.ca/content/information-students>

IMPORTANT COURSE POLICIES **PLEASE READ**

| IMPORTANT DATES | |
|-------------------------------------------|-----------------------------------------------|
| Classes Begin | July 4, 2017 |
| Waitlists removed/last day to add course | July 10, 2017 |
| Last day to drop without academic penalty | July 31, 2017 |
| Written Assignment Deadline | August 6, 2017 @ 11:59pm |
| Civic Holiday | August 7, 2017 (University Closed/No Classes) |
| Classes end | August 14, 2017 |
| Examination Period | August 17-19, 2017 |

Submitting Written Assignment

Turnitin.com will be used to assist in the evaluation of the originality of some of the term work. Instructions for use of the Turnitin.com website will be provided with the assignments. The goal of this practice is to provide a high enough likelihood of discovery of any plagiarism to increase the cost/benefit ratio beyond the point where it is useful to engage in plagiarism (see section on plagiarism below and the information sheet posted on Blackboard). Note that Turnitin.com is only a tool which will assist in detecting plagiarism. In conformance to University policy the following statement is included in the syllabus: *"Normally, students will be 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"*.

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>.

Students are to submit original supporting documentation (e.g., medical certificates, accident reports, etc.) to the Psychology Academic Counselor or drop it in the drop box located outside the Psychology office, Deerfield Hall, 4th Floor. Students have up-to one week from the date of the missed test to submit request. Late submissions will NOT be considered without a letter of explanation specifying and documenting the reasons for the lateness.

Medical certificates or physician's notes must be completed by the Physician and MUST include the statement "This Student [name] was unable to write the test on [date(s)] for medical reasons". This documentation must show that the physician was consulted within one the day of the missed term test. A statement merely acknowledging a report of illness made by the student to the physician is NOT acceptable. For further information on this procedure please see:
<http://www.utm.utoronto.ca/psychology/undergraduate-studies/missed-testslate-submissions>

If you missed your test/assignment deadline for a reason connected to your registered disability, please be advised that the department will accept documentation supplied by the UTM AccessAbility Resource Centre.

IMPORTANT: The Department of Psychology verifies the authenticity of medical certificates by contacting medical offices. Students are NOT to make any changes or alteration to completed medical certificates. Students who submit forged or altered documentation are subject to severe academic penalties.

If your request is approved by the department, a make-up test will be offered within 2 weeks of the original test date. Please contact Jodie Stewart (jodie.stewart@utoronto.ca) for further information pertaining to the make-up details.

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.

Original supporting documentation (e.g., medical certificates, accident reports, etc.) must be submitted to the Psychology Academic Counselor or dropped off in the drop box located outside the Psychology office Deerfield Hall, 4th Floor. Students are expected to submit requests to the Department before the last day of the term, unless demonstrably serious reasons prevent them from doing so. In the event of an illness, medical certificates or doctor's notes must confirm that student was ill on the due date of the assignment (for a one-day extension). For a longer extension, documentation must specify the full duration during which academic work could not be carried out.

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.

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

| Date | Topic | Readings/Assignments |
|-----------------|-------------------------------------------------------------------|------------------------|
| July 4, 2017 | Introduction + History | Chapter 1 |
| July 6, 2017 | Brain Organization and Laterality | Chapters 3 & 11 |
| July 11, 2017 | Sensory System | Chapter 8 |
| July 13, 2017 | Motor System | Chapter 9 |
| July 18, 2017 | In Class Term Test 1 – followed by brief intro to Vision | Chapter 13 |
| July 20, 2017 | Vision | Chapter 13 (continued) |
| July 25, 2017 | Spatial Cognition | Chapter 14 |
| July 27, 2017 | Memory | Chapter 15 & 18 |
| August 1, 2017 | In Class Term Test 2 – followed by brief intro to Language | Chapter 19 |
| August 3, 2017 | Language | Chapter 19 (continued) |
| August 8, 2017 | Attention & Executive Functions | Chapters 16 & 22 |
| August 10, 2017 | Neuropsychological Assessment + Registration Process | Chapter 28 |

Final exam: During exam period, it is the student's responsibility to be available for the entire exam period.

Please note that this outline is subject to change depending on the needs of the class (we may need additional time to cover a topic). Any changes to the syllabus will be announced in class and/or on BlackBoard.