



UNIVERSITY OF
TORONTO
SCARBOROUGH

DEPARTMENT OF PSYCHOLOGY



Clinical Neuropsychology

PSYC31H3

WEBOPTION ONLY

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See below for missed term work protocol

*We will not answer questions about content that can be answered
by the syllabus or Quercus Announcements*

Brief Description of Clinical Neuropsychology

Neuropsychology is the research discipline that seeks to understand brain and behavior relationships through the study of both healthy and damaged central nervous systems. It seeks to identify the biological substrates of behaviors, from creative genius to mental illness, which account for intellectual processes as well as personality.

Clinical Neuropsychology is an *applied science* that is concerned with the behavioural expression of brain dysfunction (Lezak et al., 2004). The clinical neuropsychologist uses standardized tests to tie the biological and behavioral aspects together. Inferences are made on the basis of accumulated research. Overall, the clinical neuropsychologist interprets every aspect of the examination (both quantitative and qualitative components) to ascertain the relative cognitive strengths and weaknesses that a patient with suspected or known neuropathology. Findings from a neuropsychological examination can be used to make diagnoses, inform rehabilitation strategies, and direct various aspects of patient care.

In this course we will comprehensively explore the science and practice of clinical neuropsychology.

Important Notes

- A. All course related inquiries are to be directed to the Teaching Assistant course E-Mail addresses as provided on the first page.
- B. Every enrolled student must ensure that they have access to the course website via the UTSC Quercus. All course related content will be posted here (e.g., lecture slides, important announcements, and midterm grades).
- C. All students need to ensure that they have the necessary prerequisites for this course. If this course is taken without having completed the prerequisites, the registrar will not allow you credit for this course at the time of graduation. This can jeopardize the completion of your degree.
- D. The prerequisites are Psychological Research Methods (PSYB70H), Abnormal Psychology (now titled Introduction to Clinical Psychology; PSYB32H), Human Brain & Behaviour (PSYB55H), and any of the following statistics courses: PSYB07H, SOCB06H, STAB22H. The only exclusion for this course is PSYC73H, which is reserved for co-op students in the Co-op Behavioural Disorders Stream.
- E. This course is being delivered via WEB OPTION only. If you were expecting an in-class room lecture with the professor, this course is not for you. It is amazing to us that

students will enroll in a WEB OPTION only course and at course end, complain that there were no in-class lectures. Please don't be one of these students!

- F. If a student is absent from a midterm examination due to illness or other extenuating circumstance, they must follow the protocol outlined in the syllabus for missed term work (see last page).
- G. Make-up midterm examination details will be listed on Quercus.
- H. For all examinations, you must bring your UTSC student ID cards. You are also encouraged to bring a pencil and eraser to allow for making answer changes.
- I. Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services as soon as possible. AccessAbility Services staff (located in Rm SW302, Science Wing) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations 416-287-7560 or email ability@utsc.utoronto.ca. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.
- J. For reasons of privacy as well as protection of copyright, unauthorized video or audio recording in classrooms is prohibited. This is outlined in the Provost's guidelines on *Appropriate Use of Information and Communication Technology*. Note, however, that these guidelines include the provision that students may obtain consent to record lectures and, "in the case of private use by students with disabilities, the instructor's consent must not be unreasonably withheld."

K. Grade Scales and Meaning of Grades

NUMERICAL MARKS	LETTER GRADE	GRADE POINT VALUE
90 - 100%	A+	4.0
85 - 89%	A	4.0
80 - 84%	A-	3.7
77 - 79%	B+	3.3
73 - 76%	B	3.0
70 - 72%	B-	2.7
67 - 69%	C+	2.3
63 - 66%	C	2.0
60 - 62%	C-	1.7
57 - 59%	D+	1.3
53 - 56%	D	1.0
50 - 52%	D-	0.7
0 - 49%	F	0.0

L. Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto is a strong signal of each student's individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. The University of Toronto's *Code of Behaviour on Academic Matters* (<http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to:

In papers and assignments:

- Using someone else's ideas or words without appropriate acknowledgement.
- Submitting your own work in more than one course without the permission of the instructor.
- Making up sources or facts.
- Obtaining or providing unauthorized assistance on any assignment.

On tests and exams:

- Using or possessing unauthorized aids.
- Looking at someone else's answers during an exam or test.
- Misrepresenting your identity.
- Working with other students during online tests.
- Saving questions to your computer during an online test.
- Sharing exam questions/answers with other students.

In academic work:

- Falsifying institutional documents or grades.
- Falsifying or altering any documentation required by the University, including (but not limited to) doctor's notes.

All suspected cases of academic dishonesty will be investigated following procedures outlined in the *Code of Behaviour on Academic Matters*. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your instructor or from other institutional resources (see <http://www.utoronto.ca/academicintegrity/>).

Lastly, you may see advertisements for services offering grammar help, essay editing and proof-reading. Be very careful. If these services take a draft of your work and significantly change the content and/or language, you may be committing an academic offence (unauthorized assistance) under the *Code of Behaviour on Academic Matters*. It is much better and safer to take your draft to the Writing Centre as early as you can. They

will give you guidance you can trust. Students for whom English is not their first language should go to the English Language Development Centre. If you decide to use these services in spite of this caution, you must keep a draft of your work and any notes you made before you got help and be prepared to give it to your instructor on request.

Readings

Lezak, M.D., Howieson, D.B., & Bigler, E. D., & Tranel, D. (2012). Neuropsychological Assessment (5th Edition). New York: Oxford University Press.

Grading Scheme

Your grade will be determined by three examinations and one paper ment. All exams are multiple-choice in format and will be held online through Quercus. All exams will be open book and will require you to apply the knowledge learned. All students must complete the exams independently.

1st Midterm

- Administered online (date TBD by registrar)
- Will consist of 60 multiple-choice questions
- Worth 30% of your final grade

2nd Midterm

- Administered online (date TBD by registrar)
- Non-Cumulative
- Will consist of 60 multiple-choice questions
- Worth 30% of your final grade

Final Exam

- UTSC final examination period
- Non-Cumulative (but representative of entire course learning)
- Will consist of 60 multiple-choice questions
- Worth 30% of your final grade

Paper Assignment

- Worth 10% of your final grade

For this assignment, students will be presented with a Clinical Case demonstration that will unfold throughout the academic term in class. You will be provided with brief background information, referral documentation from the family physician, and neuropsychological test score data. In addition, you will be provided with weekly pre-recorded demonstrations that will reflect the patient's disease/disorder. Your assignment

will require you to write up your diagnostic impression and treatment recommendations for the fictitious patient. You will be expected to outline a clinical diagnosis and why you have made it. For example, you should speak to what symptoms were evident and how they fit into the clinical diagnosis you come up with (e.g., behavioral observations, test findings; behavioral relationship to brain and disorder) and moreover, what other clinical diagnoses you ruled out and why (i.e., state your differential diagnosis if there is one to make, and select your clinical diagnosis and state why). The maximum length of this assignment is ONE page, double spaced using 12-point font - anything longer and you will be given a grade of 0% on this assignment. All submissions will go through Quercus. Please note that all papers will be processed through turnitin.com. It is your responsibility to ensure that assignment document is readable. Unreadable documents (e.g., corrupted files) will receive a score of zero.

This assignment will be worth 10% of your final grade in the course and is due August 10, 2020 @ 11:55 pm on Quercus. Late submissions will result in a deduction of 10% per day to a maximum of 3 days.

Important Dates: 2020 Summer Session

Please visit:

<https://www.utsc.utoronto.ca/registrar/sites/utsc.utoronto.ca/registrar/files/resource-files/Revised%20Sessional%20Dates%202020%20Summer.pdf>

Lecture Dates and Readings

On Quercus you will find:

- Pre-recorded lectures (posted weekly)
- Pre-recorded weekly video demonstrations for the case assignment (posted weekly)
- Pre-recorded weekly discussion (posted weekly)
 - Under the Discussions tab, students will have the ability to post questions on Quercus about that week's course content. The professor will create a recording when reviewing and answering these questions. The number of questions addressed will be based on the time available. Questions must be posted by **mid-day Wednesday** to be considered for discussion.
- *Note: These materials will remain on Quercus for the duration of the term.*

May 14

Lecture:

Welcome & Introduction
History, Theory and Practice of Neuropsychological Assessment
Chapter 1

May 21

Lecture:

Basic Concepts
Chapter 2

Demonstration:

The Neuropsychological Examination: Procedures
Chapter 5

May 28

Lecture:

The Behavioural Geography of the Brain
Chapter 3

Demonstration:

Orientation and Attention
Chapter 9

June 4

Lecture:

The Rationale of Deficit Measurement

Chapter 4
Demonstration:
Perception
Chapter 10

Week of June 8-12 (**week requested; however the registrar may schedule the exam for another week depending on availability)

First Mid-Term Examination
The examination will cover chapters 1, 2, 3, 4, 5, 9 & 10

June 18

Lecture:
The Neuropsychological Examination: Interpretation
Chapter 6
Demonstration:
Memory I: Tests
Chapter 11

June 25

No class (Reading week)

July 2

Lecture:
Neuropathology for Neuropsychologists
Chapter 7
Demonstration:
Verbal Functions and Language Skills
Chapter 13

July 9

Lecture:
Neuropathology for Neuropsychologists, Continued
Chapter 7
Demonstration:
Construction
Chapter 14

Week of July 13-18 (**week requested, however the registrar may schedule the exam for another week depending on availability)

Second Mid-Term Examination

The examination will cover chapters 6, 7, 11, 13 & 14

The examination is non-cumulative

July 23

Lecture:

Neurobehavioral Variables and Diagnostic Issues

Chapter 8

Demonstration:

Concept Formation and Reasoning

Chapter 15

July 30

Lecture:

Neurobehavioral Variables and Diagnostic Issues Continued

Chapter 8

Demonstration:

Executive Functions and Motor Performance

Chapter 16

Testing for Response Bias and Incomplete Effort

Chapter 20

August 6

Lecture: Overall Review of the Neuropsychological Examination

August 18-30:

Final Examination Period

The final examination will be scheduled by the registrar's office approximately midway through the term. Details will be provided in class and on the intranet once known. **The final examination will cover Chapters 8, 15, 16, and 20** and is non cumulative although do note that the exam questions will be representative of entire course learning.

SUMMER 2020: Missed Term Work due to Medical Illness or Other Emergency

All students citing a documented reason for missed term work must submit their request for accommodations **within three (3) business days** of the deadline for the missed work.

Submit via email to: Keely Hicks, Departmental Assistant, keely.hicks@utoronto.ca

Students must submit **BOTH** of the following:

- (1.) A completed **Request for Missed Term Work Accommodations form** (<http://uoft.me/PSY-MTW>), and
- (2.) **Appropriate documentation** to verify your illness or emergency, as described below.

Appropriate documentation:

For missed **ASSIGNMENTS** or **TERM TESTS** due to **FLU-LIKE SYMPTOMS** or **SELF-ISOLATION**
REQUIREMENTS:

- Email the Request for Missed Term Work Accommodations form (uoft.me/PSY-MTW) to Keely (keely.hicks@utoronto.ca), and
- **Declare** your absence on **ACORN** (Profile & Settings > Absence Declaration)

For missed **ASSIGNMENTS** due to **OTHER ILLNESS:**

- Email the Request for Missed Term Work Accommodations form (uoft.me/PSY-MTW) to Keely (keely.hicks@utoronto.ca), along with the Self-Declaration of Student Illness Form (uoft.me/PSY-self-declare-form).

For missed **TERM TESTS** due to **OTHER ILLNESS:**

- Email the Request for Missed Term Work Accommodations form (uoft.me/PSY-MTW) to Keely (keely.hicks@utoronto.ca), along with a scan/photo of the **original** copy of the official UTSC Verification of Illness Form (uoft.me/UTSC-Verification-Of-Illness-Form) or an **original** copy of the record of visitation to a hospital ER.
- Forms are to be completed in full, clearly indicating the start date, anticipated end date, and severity of illness. The physician's registration # and business stamp are required.
- *Note: If an end date of "ongoing" is specified, the medical note will be assumed to cover a period of **two weeks**. If no end date / an "unknown" end date is specified, the note will be assumed to cover a period of **three business days** (starting from illness start date.)*

For missed **TERM TESTS** due to **ACCESSABILITY REASONS:**

- Meet with your **AccessAbility consultant** and have them email Keely (keely.hicks@utoronto.ca) detailing accommodations required.

For missed **ASSIGNMENTS** due to **ACCESSABILITY REASONS:**

- If your desired accommodation is **within the scope** of your Accommodation Letter (ex. your letter includes "extensions of up to 7 days" and you need 1-7 more days), email the Request for Missed Term Work Accommodations form (uoft.me/PSY-MTW) to Keely

(keely.hicks@utoronto.ca), and attach a **copy of your letter**. Specify how many days extension you are requesting in your email.

- If your desired accommodation is **outside the scope** of your Accommodation Letter (ex. your letter includes “extensions of up to 7 days” but you need more time than that) you will need to meet with your **AccessAbility consultant** and have them email Keely (keely.hicks@utoronto.ca) detailing the accommodations required.

For missed **ASSIGNMENTS** or **TERM TESTS** in **OTHER CIRCUMSTANCES**:

Email the Request for Missed Term Work Accommodations form (<http://uoft.me/PSY-MTW>) form to Keely (keely.hicks@utoronto.ca), along with:

- For the **death of a family member/friend**, provide a copy of the death certificate.
- For U of T varsity-level or professional **athletic commitments**, an email from your coach or varsity administrator should be sent directly to Keely (keely.hicks@utoronto.ca) **well in advance** of the missed work, detailing the dates and nature of the commitment.
- For **religious accommodations**, please email Keely (keely.hicks@utoronto.ca) **well in advance** of the missed work.
- For circumstances **outside of these guidelines**, please email Keely (keely.hicks@utoronto.ca) **on or before the date of the test / assignment deadline** to describe your circumstances and determine appropriate documentation.

Documents covering the following situations are NOT acceptable: medical prescriptions, personal travel, weddings, personal/work commitments.

As stated above, your documents must be submitted **within three (3) business days** of the deadline for the missed work.

After submitting your documentation:

Within approximately one to five business days, you will receive a response from your instructor detailing the accommodations to be made (if any).

You are responsible for checking your official U of T email and Quercus course announcements daily, as accommodations may be time-critical.

You should continue to work on your assignments to the best of your ability, as extension accommodations may be as short as one business day, depending on the nature of the illness/emergency.

If an accommodation has been granted but you are unable to meet the conditions of the accommodation (ex. you need a longer extension, or you missed a make-up test), you will need to repeat the missed term work procedure and submit additional forms to request further accommodation. Note that in the case of a missed make-up test, an opportunity to write a second make-up test may not be provided.

Completion of this form does NOT guarantee that accommodations will be made. The course instructor reserves the right to decide what accommodations (if any) will be made. Failure to adhere to any aspect of this policy may result in a denial of your request for accommodation.

Missed Accommodations

If an accommodation is granted but a continued illness/emergency prevents you from meeting the requirements of your accommodation, you must repeat the missed term work procedure to request additional accommodations.

(E.g.) If you miss a make-up midterm, you would need to submit another Request for Missed Term Work Accommodations form. If your original medical note / documentation included the date of the make-up midterm, then only the Request form is required. If the date of the make-up midterm fell outside of the dates indicated on your original medical note/other documentation, then a new medical note/other appropriate documentation must also be submitted.

Importance of Three Business Day window:

If you are unable to submit your documents within the three business day window, **you must email Keely** (keely.hicks@utoronto.ca) **within the three business day window** to explain the nature of the delay, and when you will be able to provide your documents. Exceptions to the documentation deadline will only be made under exceptional circumstances.

NOTE: Assignments due at end of term

Instructors cannot accept term work any later than five business days after the last day of class. Beyond this date, you would need to file a petition with the Registrar's Office (<https://www.utsc.utoronto.ca/registrar/term-work>).

NOTE: Final Exams

This policy applies only to missed assignments and term tests. Missed final exams are handled by the Registrar's Office (<http://www.utsc.utoronto.ca/registrar/missing-examination>).