

PSY496H1 S

Cognitive Dysfunction in Neurological Disorders

Winter 2024 Syllabus

Course Meetings

PSY496H1 S

Section	Day & Time	Delivery Mode & Location
LEC0101	Monday, 10:00 AM - 1:00 PM	In Person: SS 1085

Refer to ACORN for the most up-to-date information about the location of the course meetings.

Course Contacts

Course Website: <https://q.utoronto.ca/courses/339377>

Instructor: Alexander Barnett

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Course Overview

This lecture course provides an in-depth examination of the cognitive dysfunction found in neurological disorders, including Alzheimer's Disease, Parkinson's Disease, and Schizophrenia. The course focuses on how cognitive impairments relate to neuropsychological models of the specific disease (specifically how these models provide insights into the biological mechanisms underlying the cognitive symptoms) and cognition, more broadly.

Students will have the opportunity to read primary research articles connecting cognition and the brain in a host of neurological and psychological conditions and synthesize that knowledge in a final paper proposing a novel research experiment.

Course Learning Outcomes

Prerequisites: PSY201H1/ ECO220Y1/ EEB225H1/ GGR270H1/ IRW220H1/ POL222H1/ SOC202H1/ STA220H1/ STA238H1/ STA248H1/ STA288H1/ PSY201H5/ STA215H5/ STA220H5/ PSYB07H3/ STAB22H3/ STAB23H3/ STAB57H3, (PSY270H1/ PSY270H5/ PSYB57H3/ COG250Y1)/ (PSY290H1/ PSY290H5/ PSYB64H3/ HMB200H1/ PSL300H1)

Corequisites: None

Exclusions: None

Recommended Preparation: None

Course Materials

There is no textbook for this course

Marking Scheme

Assessment	Percent	Details	Due Date
Term Test 1	25%		2024-02-12
Term test 2	25%		2024-04-01
Paper topic	10%		2024-02-26
Final Paper	35%		2024-03-18
Quiz	5%		2024-01-22,2024-01-29,2024-02-05,2024-03-04,2024-03-11

Late Assessment Submissions Policy

Assignments will be penalized 10% for each day after the deadline, to a maximum of 4 days (40%) after which papers will no longer be accepted. Extensions will only be granted in exceptional circumstances (i.e. illness or family emergency) with valid documentation in Specific Medical Circumstances section.

Policies & Statements

Religious Accommodations

As a student at the University of Toronto, you are part of a diverse community that welcomes and includes students and faculty from a wide range of cultural and religious traditions. For my part, I will make every reasonable effort to avoid scheduling tests, examinations, or other compulsory activities on religious holy days not captured by statutory holidays. Further to University Policy, if you anticipate being absent from class or missing a major course activity (such as a test or in-class assignment) due to a religious observance, please let me know as early in the course as possible, and with sufficient notice (at least two to three weeks), so that we can work together to make alternate arrangements.

Students with Disabilities or Accommodation Requirements

Students with diverse learning styles and needs are welcome in this course. If you have an acute or ongoing disability issue or accommodation need, you should register with Accessibility Services (AS) at the beginning of the academic year by visiting <https://studentlife.utoronto.ca/department/accessibility-services/>. Without registration, you will not be able to verify your situation with your instructors, and instructors will not be advised about your accommodation needs. AS will assess your situation, develop an accommodation plan with you, and support you in requesting accommodation for your course work. Remember that the

process of accommodation is private: AS will not share details of your needs or condition with any instructor, and your instructors will not reveal that you are registered with AS.

Academic Integrity

All suspected cases of academic dishonesty will be investigated following procedures outlined in the [Code of Behaviour on Academic Matters](https://governingcouncil.utoronto.ca/secretariat/policies/code-behaviour-academic-matters-july-1-2019) (<https://governingcouncil.utoronto.ca/secretariat/policies/code-behaviour-academic-matters-july-1-2019>). If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, please reach out to me. Note that you are expected to seek out additional information on academic integrity from me or from other institutional resources. For example, to learn more about how to cite and use source material appropriately and for other writing support, see the U of T writing support website at <http://www.writing.utoronto.ca>. Consult the Code of Behaviour on Academic Matters for a complete outline of the University's policy and expectations. For more information, please see [A&S Student Academic Integrity](https://www.artsci.utoronto.ca/current/academic-advising-and-support/student-academic-integrity) (<https://www.artsci.utoronto.ca/current/academic-advising-and-support/student-academic-integrity>) and the [University of Toronto Website on Academic Integrity](https://www.academicintegrity.utoronto.ca) (<https://www.academicintegrity.utoronto.ca>).

Generative AI

On the use of Generative Artificial Intelligence (Gen AI) Tools: Students may not use generative artificial intelligence tools (e.g., ChatGPT) for the term tests in this course, but may use these tools for other assignments. If you choose to use generative artificial intelligence tools to assist you in the assignments in this course, this use must be documented in an appendix for each assignment. The documentation should include what tool(s) were used, how they were used (e.g., include your prompts), and how the results from the AI were incorporated into the submitted work. These tools can be most helpful in improving your writing and clear expression of your ideas (rather than trying to generate complete content which is unlikely to meet the standards of the assignments).

Re-marking Policy - Timeline and Protocol

If you believe an assignment has received a grade in error, you may submit an appeal. An appeal must be submitted within 14 days after the graded assignment is made available to students. Documents submitted for an appeal will be re-graded in their entirety. As a result, your grade may increase, but it may also stay the same or even decrease.

Make-Up Tests

Missed or unexcused exams will be treated as zeros unless valid documentation is provided as outlined in the **Specific Medical Circumstances** section, and submitted to the instructor **within one week** of missing the test. Should term test 1 or term test 2 be missed with valid documentation a make-up test will be arranged. If a student is unable to attend a make-up test due to documented circumstances, then remaining assessments can be reweighted to account for the missed test.

Specific Medical Circumstances

If you become ill and it affects your ability to do your academic work, consult me right away. Normally, I will ask you for documentation in support of your specific medical circumstances. This documentation can be an Absence Declaration (via ACORN) or the University's Verification of Student Illness or Injury (VOI) form. The VOI indicates the impact and severity of the illness, while protecting your privacy about the details of the nature of the illness. If you cannot submit a VOI due to limits on terms of use, you can submit a different form (like a letter from a doctor), as long as it is an original document, and it contains the same information as the VOI (including dates, academic impact, practitioner's signature, phone and registration number). For more information on the VOI, please see <http://www.illnessverification.utoronto.ca>. For information on Absence Declaration Tool for A&S students, please see <https://www.artsci.utoronto.ca/absence>. If you get a concussion, break your hand, or suffer some other acute injury, you should register with Accessibility Services as soon as possible.