

PSY496H1 S

Cognitive Dysfunction in Neurological Disorders

Winter 2025 Syllabus

Course Meetings

PSY496H1 S

Section	Day & Time	Delivery Mode & Location
LEC0101	Wednesday, 2:00 PM - 5:00 PM	In Person: ES B142

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/382584/>

Instructor: Julia Gallucci

Email: julia.gallucci@mail.utoronto.ca

Office Hours and Location: Online Monday 11:00am-12:00pm

Additional Notes: Please allow 24-48 hours for a response during regular business hours.

When emailing, please include the course code, lecture number, and slide number in the subject line, for example, "PSY496 L1:Slide 12."

Teaching Assistant: Jessica Zaffino

Email: jzaffino@research.baycrest.org

Office Hours and Location: TBD

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.

Course Learning Outcomes

Students will engage with primary research articles examining the connection between cognition and brain function across various neurological and psychological conditions. They will integrate this knowledge into a final paper, where they will propose a novel research experiment.

Prerequisites: PSY201H1/ ECO220Y1/ EEB225H1/ GGR270H1/ IRW220H1/ POL222H1/ SOC202H1/ STA220H1/ STA238H1/ STA248H1/ STA288H1/ ECO220Y5/ PSY201H5/ STA215H5/ STA220H5/ PSYB07H3/ STAB22H3/ STAB23H3/ STAB57H3, **and one of**

PSY270H1/ PSY270H5/ PSYB57H3/ COG250Y1 **or** PSY290H1/ PSY290H5/ PSYB64H3/
HMB200H1/ PSL300H1

Corequisites: None

Exclusions: None

Recommended Preparation: None

Credit Value: 0.5

Marking Scheme

Assessment	Percent	Details	Due Date
Term Test 1	25%		2025-02-12
Term Test 2	25%		2025-04-02
Paper Topic	10%		2025-02-26
Final Paper	35%		2025-03-19
Quiz	5%		Multiple dates

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.

Course Outline/Schedule				
Lecture	Date	Topic	Readings	Due
1	Jan 8	Neuropsychology and methods overview		
2	Jan 15	Neuroanatomy and imaging methods overview		
3	Jan 22	Epilepsy		Quiz 1
4	Jan 29	Parkinson's Disease		Quiz 2
5	Feb 5	Frontotemporal Dementia		Quiz 3
6	Feb 12	Term test 1		
	Feb 19	Reading week		
7	Feb 26	Alzheimer's Disease 1		Paper topic due
8	March 5	Alzheimer's Disease 2		Quiz 4

9	March 12	Schizophrenia		Quiz 5
10	March 19	Mood Disorders		Final Paper due
11	March 26	Autism		
12	April 2	Term test 2		

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/departments/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).

Mental Health and Well-Being

Your mental health is important. Throughout university life, there are many experiences that can impact your mental health and well-being. As a University of Toronto student, you can access free mental health and wellbeing services at Health & Wellness (<https://studentlife.utoronto.ca/department/health-wellness/>) such as same day counselling, brief counselling, medical care, skill-building workshops, and drop-in peer support. You can also meet with a Wellness Navigation Advisor who can connect you with other campus and community services and support. Call the mental health clinic at 416-978-8030 ext. 5 to book an appointment or visit <https://uoft.me/mentalhealthcare> to learn about the services available to you.

You can also visit your College Registrar to learn about the resources and supports available: <https://www.artsci.utoronto.ca/current/academic-advising-and-support/college-registrars-offices>

If you're in distress, you can access immediate support: <https://uoft.me/feelingdistressed>

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.

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).

Make-Up Quizzes/Tests

Missed or unexcused tests will be treated as zeros unless valid documentation is provided, as outlined in the Specific Medical Circumstances section. Students have up to one week from the date of the missed term test to contact the instructor and provide the necessary documentation. 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 the 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.

Departmental Guidance for Undergraduate Students in Psychology

The Department of Psychology recognizes that, as a student, you may experience disruptions to your learning that are out of your control, and that there may be circumstances when you need extra support. Accordingly, the department has provided a [helpful guide](#) to clarify your and your instructor's responsibilities when navigating these situations. This guide consolidates Arts & Science Policies for undergraduate students in one place for your convenience. As an instructor in the department, I will frequently consult with these recommendations when providing you with support, and I recommend that you also consult it to learn more about your rights and responsibilities before reaching out to me.