

**WESTERN UNIVERSITY**  
**Department of Philosophy**  
Undergraduate Course Outline 2026-27

**PHILOSOP 2050G**  
**Scientific Search for the Mind**

**INSTRUCTOR INFORMATION**

Information including instructor contact details and course location can be found on the course Owl BrightSpace: <https://westernu.brightspace.com/>

**PREREQUISITE CHECKING**

*No prerequisites*

[Student Responsibility for Course Selection](#)

**COURSE DESCRIPTION**

In his treatise *Meditations on First Philosophy* (1641), the French philosopher René Descartes put forward the idea that “minds”, insofar as they are *thinking* things, differ from physical bodies, which do not think. Descartes’ claim that the mind and body are separate substances—a view referred to as “substance dualism”—prompted philosophers and scientists to wonder: *How can minds be studied scientifically if they are not a part of the physical world?*

In this course, we will consider a variety of different answers to this question by critically evaluating areas of philosophy and science that have emerged historically to understand the nature of the mind and its place in the physical world. We will begin by considering Cartesian dualism and the mechanical philosophy. The sciences that will be then be the focus of our analysis include: phrenology & localization theory (e.g., Francis Gall, Pierre Flourens, Paul Broca, Carl Wernicke, Karl Lashley, Wilder Penfield, & Brenda Milner), early physiology (e.g., Hermann von Helmholtz), psychophysics (e.g., Gustav Fechner), experimental psychology (William Wundt), Gestalt psychology (e.g., Edward Titchener), William James’ psychology, Behaviorism (Ivan Pavlov, John Watson and B.F. Skinner) Freudian psychoanalysis, and artificial intelligence (e.g., Alan Turing).

This course is a history and philosophy of the mind-brain sciences course that is meant to develop a critical understanding of the assumptions, educational background and training, methodological commitments, and values of a subset of philosophers and scientists who have historically sought to answer these questions. The course is designed for and should be of interest to students majoring in the humanities and/or the sciences and is aimed at helping you develop critical thinking skills that are important for any major or profession.

**LEARNING OUTCOMES**

Students who successfully complete this course will have developed a detailed understanding of a variety of philosophical and scientific approaches to studying and understanding the mind, the ability to critically evaluate these approaches, and the capacity to formulate and defend their own positions with respect to such approaches.

## **TEXTS**

This course requires that you read primary readings written by philosophers and scientists. Primary readings for the course are available as pdfs on Owl under the “Resources” folder (“Online Readings”).

It also will be helpful for you to do background reading from a secondary source book that situates the philosophical and scientific approaches to understanding and investigating the mind-brain that we will consider in a broader historical context. Thus, I am also assigning readings from the following textbook (wherever you see an F&R on the schedule, that indicates a reading from this book). These readings are optional but strongly encouraged. This is a great book and presents the ideas of the philosophers and scientists we will consider in an engaging way:

Fancher, Raymond E. & Rutherford, Alexandra (2017). *Pioneers of Psychology*, 5<sup>th</sup> Edition. W.W. Norton & Company. \*\*Designated on schedule by F&R –The cost of this textbook is USD 138.75 or \$55.95 (e-book) <https://wnorton.com/books/9780393283549>

In some cases, only readings from the Fancher and Rutherford text will be assigned.

## **METHOD OF EVALUATION**

1. **Exam 1 (Feb 9)**: (35%) – This in-person 1 hour and 50 min exam will include a combination of multiple choice/true-false, short answer and short essay questions. You will have the full class time to complete this exam.
2. **Exam 2 (March 16)**: (35%) This in-person exam will include a combination of multiple choice/true-false, short answer and short essay questions. You will have the full class time to complete this exam.
3. **Final Paper (April 8)**: (30%) You are required to write a final paper for this course. The paper is to be 2000-2500 words in length. The paper is due on the last day of the course. This is the last day assignments can be handed in for credit. The ability to write a strong paper depends crucially on you having done the assigned readings for the course and regularly attending the course. Instructions for the paper and a grading rubric will be provided on the first day of class.

## **DEPARTMENT OF PHILOSOPHY POLICIES**

The Department of Philosophy policies that govern the conduct, standards, and expectations for student participation in Philosophy courses are available in the Undergraduate section of the Department of Philosophy website <http://uwo.ca/philosophy/undergraduate/policies.html> . It is your responsibility to understand the policies set out by the Senate and the Department of Philosophy, and thus ignorance of these policies cannot be used as grounds of appeal.

## **AUDIT**

Students wishing to audit the course should consult with the instructor prior to or during the first week of classes.

## **ELECTRONIC DEVICES**

Electronic devices of any kind (including calculators, cell phones and smart watches) are not permitted on texts and exams.

## **STATEMENT ON THE USE OF GENERATIVE ARTIFICIAL INTELLIGENCE (AI)**

In this course, the use of AI (automatic translation tools, grammar checkers, ChatGPT...) is prohibited. If unauthorized AI use is suspected, the instructor will ask for **research notes, rough drafts, essay outlines**, and other materials used in **preparing assignments**. If concerns are raised about the authenticity of any assignment, students will be asked to produce these materials and the professor and/or teaching assistants will ask to meet with the student to talk about the contents of the essay to determine whether the student can flexibly talk about its contents in a way that reflects that they are the author of the paper. Students are expected to **retain** all materials until after the final grades have been entered.

## **ACADEMIC ACCOMMODATION AND ACCESSIBLE EDUCATION**

Academic Accommodation is “a means of adjusting the academic activities associated with a course or program of student in order to permit students with disabilities to participate in those activities at the University and to fulfill the essential requirements of a course or program.” <https://www.uwo.ca/univsec/pdf/academicpolicies/appeals/Academic%20Accommodationdisabilities.pdf>. Students with disabilities are encouraged to register with Accessible Education at the earliest opportunity. “Accessible Education plays a central role in Western's efforts to ensure that its academic programs are accessible for all students” [https://academicsupport.uwo.ca/accessible\\_education/index.html](https://academicsupport.uwo.ca/accessible_education/index.html)

## **SPECIAL EXAMINATIONS**

A Special Examination is any examination other than the regular examination, and it may be offered only with the permission of the Dean of the Faculty in which the student is registered, in consultation with the instructor and Department Chair. Permission to write a Special Examination may be given on the basis of compassionate or medical grounds with appropriate supporting documents. To provide an opportunity for students to recover from the circumstances resulting in a Special Examination, the University has implemented Special Examinations dates. These dates as well as other important information about examinations and academic standing can be found [here](#).

## **ACADEMIC CONSIDERATION**

Students may request academic consideration in cases of extenuating circumstances – that is, personal circumstances beyond the student’s control that have a substantial but temporary impact on the student’s ability to meet essential academic requirements.

1. Requests for academic consideration are made to the Academic Advising office of Faculty in

which the student is registered.

2. Requests for academic consideration include the following components:
  - a. Self-attestation signed by the student;
  - b. Indication of the course(s) and assessment(s) relevant to the request;
  - c. Supporting documentation as relevant

Requests without supporting documentation are limited to one per term per course.

Documentation for medical illness, when required, includes the completion of a [Western Student Medical Certificate \(SMC\)](#) or, where that is not possible, equivalent documentation, by a health care practitioner. Requests linked to examinations scheduled by the Office of the Registrar during official examination periods as well as practice laboratory and performance tests typically scheduled in the last week of term always require formal supporting documentation.

### Policy on Academic Consideration – Undergraduate Students in First Entry Programs

#### **RELIGIOUS ACCOMMODATION**

Western's Policy on Accommodation for Religious Holidays can be found here:

[https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_religious.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_religious.pdf).

In the case of mid-term tests, notification is to be "given in writing to the instructor as early as possible, but not later than **one week** prior to the writing of the test".

#### **COURSE ASSIGNMENT**

The last day of scheduled classes in any course will be the last day on which course assignments will be accepted for credit in a course. Instructors will be required to return assignments to students as promptly as possible with reasonable explanations of the instructor's assessment of the assignment.

#### **SCHOLASTIC OFFENCES**

Scholastic offences are taken seriously, and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: [https://www.uwo.ca/biology/pdfs/undergraduate/rights-and-responsibilities/scholastic\\_discipline .pdf](https://www.uwo.ca/biology/pdfs/undergraduate/rights-and-responsibilities/scholastic_discipline.pdf)

Computer-marked multiple-choice tests and exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

#### **ACADEMIC ADVISING**

Your Home Faculty's Academic Advising Office will support or refer whenever you have an issue that is affecting your studies, including information on adding/dropping courses, academic considerations for absences, appeals, exam conflicts, and many other academic related

matters. Do not hesitate to reach out to them if you are struggling and unsure where to go for help. Contact info for all Faculties is here:

[https://registrar.uwo.ca/faculty\\_academic\\_counselling.html](https://registrar.uwo.ca/faculty_academic_counselling.html)

### **MENTAL HEALTH SUPPORT**

Students who are in emotional/mental distress should refer to Mental Health@Western (<https://uwo.ca/health/>) for a complete list of options about how to obtain help. Immediate help in the event of a crisis can be had by phoning 519.661.3030 (during class hours) or 519.433.2023 after class hours and on weekends (24/7 availability).

### **GENDER-BASED AND SEXUAL VIOLENCE**

Western University [is committed to reducing incidents of gender-based and sexual violence](#) (GBSV) and providing compassionate support to anyone who is going through or has gone through these traumatic events. If you are experiencing or have experienced GBSV (either recently or in the past), you will find information about support services for survivors, including emergency contacts at the following website: <https://www.uwo.ca/health/gbsv/index.html>. To connect with a case manager or set up an appointment, please contact [support@uwo.ca](mailto:support@uwo.ca).