



The University of Western Ontario
SOCIOLOGY 3353F-650
Pseudoscience
Fall 2026
Delivery Method: Online

Instructor: Professor Laura Huey
Office Hours: online by appointment
Email: lhuey@uwo.ca

Course Description: This course explores the principles of scientific reasoning through examining extraordinary claims. We will probe questions of belief and knowledge by sorting through a morass of fads, conspiracies, gimmicks, and peculiar ideas to learn about topics such as: the scientific method, human biases and how bad ideas go viral.

Prerequisite(s): Registration in third or fourth year of any program.

Unless you have either the prerequisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. The decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

Anti-requisite(s): None

Course Objectives and Learning Outcomes:

Students will develop new knowledge and perspectives on the role of science, including being able to

- (1) identify and apply their understanding of the basic features of the scientific method.
- (2) describe the differences between science and pseudoscience.
- (3) understand the different types of claims people make and the ways in which those claims are presented in order to persuade an audience.
- (4) evaluate arguments and claims by applying critical reasoning

Course Material:

Readings have been uploaded for you on OWL. They are listed on the overview below. If, for some reason, you can't access them on OWL, you can go to the UWO library website, and you'll see each book and chapter is available to you for download in pdf form.

I have also taped a series of lectures for this seminar that are available to you in both audio and video formats. The PowerPoints are also available to you through OWL.

For access to the visual and audio version of the lecture, you can simply download the material through OWL and/or access videos via YouTube (see below).

Communication:

Students are responsible for checking the course OWL Brightspace site (<https://westernu.brightspace.com/d2l/login>) on a regular basis for news and updates. This is the primary method by which information will be disseminated to all students in the class. Otherwise, we will be using email for any questions, discussion, etc.

Method of Evaluation:

The evaluation methods described in the course outline are essential requirements for the course.

Belief assignment (email to lhuey@uwo.ca)	10 marks
Podcast assignments (2 x 20) (email Teaching Assistant)	40 marks
Term assignment (email to lhuey@uwo.ca)	50 marks

Belief Assignment

(DUE DATE: September 27th)

This is a very simple but important assignment. In two pages (double spaced), I would like you to consider a common belief or practice that has no scientific support for it and provide your theory as to why people believe in it.

For example, why do people believe in astrology? Ear candling? Reiki?

You may choose to discuss one of the above, although I would prefer you to come up with your own example.

Again, this assignment asks you to: a. identify a common unsupported belief/practice; b. provide examples of people believe in X despite the lack of scientific support, and; c. provide your own explanation for why people believe in X.

I will be grading this assignment, so please email your assignments to me at lhuey@uwo.ca

Podcast Assignments

(DUE DATE: November 1 and November 15) Although we will be reasonably flexible with these dates, please note I cannot accept work later than **December 7, 2026**.

I am asking you to turn in **reviews** of **2** of the selected podcasts. These assignments are to be approximately 3-4 pages double-spaced.

For these reviews, you will be expected to provide a succinct brief on the key takeaways or messages you learned from listening to the podcast. A lot of this content will tie into ideas, concepts, research from class, so ***make sure that, when possible, you draw links between the podcast and what you learned from lectures and other course content (such as readings) provided for in this class.*** Of course, we are happy to accept your work by email.

These assignments will be evaluated by your Teaching Assistant; please email your podcast assignments to the individual noted above. If you have questions about this assignment, you should first direct them to your TA.

Video Term Assignment

(DUE DATE: November 30th):

I am asking you to turn in a thoughtful, detailed **review** of 1 of the selected YouTube videos.

As with the podcast reviews, you will be expected to provide a succinct brief on the key takeaways or messages you learned from listening to the video. A lot of this content will tie into ideas, concepts, research from class, so ***make sure that, when possible, you draw links between the podcast and what you learned from lectures provided for in this class (including readings)***. Of course, we are happy to accept your work by email.

You will be expected to hand in a 6-8 page comment piece that:

Detailed knowledge of a topic (including references to concepts, ideas, papers and/or discussions from class – **this is your chance to show what you learned**).

This assignment will be run by your Teaching Assistant (under my supervision). This person will be your point of contact for working out your ideas, asking questions about expectations, providing insight into evaluation, etc. Please feel free to make the best use of their assistance.

This assignment will be evaluated by **your Teaching Assistant**; please email your assignments to your TA. If you have questions about this assignment, you should first direct them to your TA first.

Your assignment is officially due November 30th. We can accept the assignment up to December 7th without requiring documentation from Academic Counseling. Beyond this date, your Professor will require a request from Academic Counseling based on a documented reason.

Course Schedule and Readings:

The reading list and weekly schedule are available on the course OWL Brightspace site.

Use of Generative Artificial Intelligence (AI):

All assignments must be completed independently, without the aid of artificial intelligence (AI).



Department of Sociology
Effective September 1, 2026.

Academic Policies

Scholastic Offences: Scholastic offences are taken seriously and students are directed to read the [Scholastic Offences](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_offences.pdf) Policy, specifically, the definition of what constitutes a Scholastic Offence https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_offences.pdf .

Plagiarism: Students must write their assignments in their own words. Whenever students take an idea from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major scholastic offence.

All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between Western University and Turnitin.com

Students are expected to retain all research notes, rough drafts, essay outlines, and other materials used in preparing assignments. In the unlikely event of concerns being raised about the authenticity of any assignment, your instructor may ask you to produce these materials; an inability to do so may weigh heavily against you.

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

Prior to any examination, students must turn their cellphones off and store them in their bags/coat at the front of the room. The use (or possession) of cellphones or other communications technologies during examinations is strictly prohibited. Those caught using a cell phone or other communication technologies, or even the physical possession of these technologies during an examination, will result in a zero on the examination in question. Similarly, the use (or possession) of these technologies during examination breaks (bathroom breaks during an exam) will also result in a zero. Intent does not matter. Forgetting to put away your cellphone or other communication technologies, whether during the examination or on examination breaks (bathroom breaks), are not justifications. It will result in a zero on the examination in question. In sum, your cellphones should never be seen or heard during an examination and should always be stored in your bags/coats at the front of the room.

Copyright: Students may not record or distribute any class activity, including conversations during office hours, without written permission from the instructor, except as necessary as part of approved accommodations for students with disabilities. Any approved recordings may only be used for the student's own private use.

Code of Student Conduct: Every student is expected to comply with the provisions of the Code of Student Conduct. Sanctions for non-compliance range from a warning or reprimand to expulsion from the University. It is the responsibility of every student to read the Code and familiarize themselves with its contents. The Code is available at http://www.uwo.ca/univsec/pdf/academic_policies/appeals/code_of_conduct.pdf.

Student Responsibility: Students in a degree program must select courses in accordance with the published requirements. Students are responsible for ensuring that their selection of courses is appropriate and accurately recorded. Students must ensure course prerequisites have been completed successfully or special permission from the Dean is obtained. Students who fail to do so will be removed from the course without adjustments to fees. The decision may not be appealed.

Student Responsibility for Course Selection:

https://www.uwo.ca/univsec/pdf/academic_policies/general/academic_counselling.pdf

Registration and Progression:

https://uwo.ca/univsec/pdf/academic_policies/registration_progression_grad/registration_progression.pdf

Graduation Requirements:

https://uwo.ca/univsec/pdf/academic_policies/registration_progression_grad/graduation.pdf

Absence from Course Commitments: Students must familiarize themselves with the [Policy on Academic Consideration](#) – Undergraduate Students in First Entry Programs https://uwo.ca/univsec/pdf/academic_policies/appeals/academic_consideration_Sep24.pdf.

Students missing regularly scheduled course work for medical, compassionate or extenuating circumstances can request academic consideration by completing a request using the Student Absence Portal (SAP) https://registrar.uwo.ca/academics/academic_considerations/index.html. Students are permitted one academic consideration request per course per term without supporting documentation. **Note that supporting documentation is always required for academic consideration requests for examinations scheduled by the office of the registrar (e.g. December and April exams)** and for practical laboratory and performance tests typically scheduled during the last week of the term. Students should also note that the instructor may designate one assessment per course per term that requires supporting documentation. This designated assessment is described in the course outline. Supporting documentation for academic considerations for absences due to illness must include the completed Western Student Medical Certificate (SMC) https://registrar.uwo.ca/academics/pdfs/student-medical_certificate.pdf or, where that is not possible, equivalent documentation by a health care practitioner. Students must request academic consideration as soon as possible and no later than 48 hours after the missed assessment.

Procedure on makeup assessments for Social Science students and for courses offered by the Faculty of Social Science (Effective September 1, 2026):

If academic consideration is granted, students should consult the course outline for information regarding how the missed assessment will be addressed and follow any instructions provided by the instructor. At the instructor's discretion, the weight of a missed test/quiz or mid-term may be transferred to another assessment in the course, including the final exam, rather than requiring a makeup assessment. Reweighting is not available for missed final exams.

Students are entitled to **one makeup assessment opportunity** for a missed test/quiz, mid-term, or final exam supported by approved academic consideration. **No additional makeup opportunities will be provided.**

Makeup assessments represent the final opportunity to complete a missed course assessment. The course instructor or teaching assistant(s) may not be available to respond to questions during the makeup test/exam. Students should be aware that the make-up test/exam will not necessarily be in the same format, be of the same duration, or cover the same material as the original test/exam.

What happens if I miss a makeup assessment as a Social Science student or in a course offered by the Faculty of Social Science?

Students who miss a makeup assessment are not eligible for an additional makeup opportunity. Depending on their circumstances, they may:

1. Remain enrolled in the course and accept a grade of zero on the missed makeup assessment. Students should consult the course outline and calculate whether they can still achieve a passing grade in the course.
2. Withdraw from the course through [Student Center](#) before the [published drop deadline](#). A course dropped before the deadline will result in a withdrawal (WDN) without academic penalty. Part-time students should consult the Registrar's Office [refund schedule](#) to determine whether a tuition refund is available. Students enrolled full-time in 4.0-5.0 courses are generally not eligible for tuition refunds when a course is dropped.
3. If the published drop deadline has passed and the missed makeup assessment is supported by appropriate documentation, students may submit their documentation through the [Student Absence Portal](#) to request a **WDN (withdrawal without academic penalty)**. Approval is not automatic and remains subject to Faculty review. Requests for a second makeup assessment will not be considered.

Students are encouraged to carefully consider their ability to complete a makeup assessment as scheduled, as no further opportunities to complete the missed work will be available.

Note: missed work can only be excused through one of the mechanisms above. Being asked not to attend an in-person course requirement due to potential COVID-19 symptoms is not sufficient on its own. Students should check the Western website to see what directives for Covid are to be followed. Western has been and will continue to follow directives established by the Middlesex-London Health Unit. That directive will state whether students should or should not come to campus/class and any other requirements (e.g., masks are mandatory). Please check on your own and do not email the instructor, the Department Undergraduate Advisor/Coordinator or the Faculty Academic Advising Office.

Contingency plan for an in-person class pivoting to 100% online learning: In the event of a COVID-19 resurgence during the course that necessitates the course delivery moving away from face-to-face interaction, affected course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on OWL Brightspace for students to view at their convenience). The grading scheme will **not** change. Any remaining assessments will also be conducted online as determined by the course instructor.

Guidelines for Grades/Marks: The Department of Sociology has grade distribution guidelines that all instructors are expected to follow. Generally, and with few exceptions, this means that the number of A's in a course cannot exceed the number of B's, and class means are expected to fall within a prescribed percentage range. This means that your final grade depends on your ranking relative to your peers. Courses with grades falling outside this range may be adjusted, up or down. These guidelines do not prohibit a student achieving 95% or higher in all their courses, but it does mean that an entire course cannot be made up of students receiving 95%. This policy combats grade inflation, contributing to higher standards, and ensuring uniformity across all courses of the same level. Motivated and hard-working students receive grades well above the course averages. The use of grade guidelines, including any adjustments of grades, either up or down for this purpose, cannot be used as the basis of an appeal.

Sociology 1000-Level

A's not to exceed B's

Means in the range of 68-72%

Sociology 2000-Level

A's not to exceed B's

Means in the range of 70-75%

Sociology 3000-Level

Means in the range of 73-80%

Sociology 4000-Level

Means in the range of 78-82%

Support Services:

- **Office of the Registrar Services** <http://www.registrar.uwo.ca>
- **Faculty Academic Advising** - Please visit your Home Faculty Academic advising webpage for information regarding adding/dropping courses, important dates, academic considerations for absences, appeals, exam conflicts, and many other academic related matters
https://registrar.uwo.ca/faculty_academic_counselling.html .
- **USC services** – information available regarding student health/dental plan, LTC bus pass, food support services, Peer support Centre etc <http://westernusc.ca/services/> .
- **Mental health** – Students who are in emotional/mental distress should refer to [Mental Health@Western](#) <https://www.uwo.ca/health/> for a complete list of options about how to obtain help.

- **Health & Wellness Services** – Registered part-time and full-time students can book a physical health appointment at <https://www.uwo.ca/health/shs/index.html>.
- **Accessible Education** provides support and services to students with disabilities at Western, in all programs and faculties. Students with disabilities or accessibility challenges should work with Accessible Education (formerly SSD) http://academicsupport.uwo.ca/accessible_education/index.html, which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing.
- **Gender-Based and Sexual Violence** – Western 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 experience GBSV (either recently or in the past), you will find information about support services for survivors, including emergency contacts on the Wellness and Wellbeing 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.
- **Western Libraries** – Visit the many library locations on campus. Western Libraries provide access to material in physical and digital formats <https://www.lib.uwo.ca/catalogue/index.html>. Research support is also available <https://www.lib.uwo.ca/research/index.html>.
- **Writing Support Centre** – Online writing resources, writing support and writing modules are available to undergraduate students <https://writing.uwo.ca/undergrads/>.
- **Bookstore:** Search for Textbook/course material availability and cost <https://bookstore.uwo.ca/course-materials-textbooks/course-materials-and-textbooks>.