

HURON UNIVERSITY COLLEGE
DEPARTMENT OF PHILOSOPHY
Undergraduate Course Outline—Intersession 2020
Philosophy 2250: Introduction to Logic

Intersession Term 2020
Mon – Thurs (Fri Tutorial)
Course is Online – OWL

Instructor: Emerson Doyle
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Description & Objectives

This course is intended to introduce students to the art and science of logical reasoning. To the first end, we will develop syntactic and semantic methods to test the validity of arguments using the two most basic and popular systems of modern logic: the logic of sentences, and the logic of first-order predicates with identity and definite descriptions. To the second end, we will investigate the properties of these systems (called *meta-theory*). This will help us to explain why and how these systems capture and characterize the essential aspects of our valid reasoning, especially in application to science, mathematics, computation, and everyday life.

The study of formal logic provides excellent preparation for intellectual work in almost all other disciplines. Everyone can benefit from learning, in a systematic way, various methods of sound reasoning—methods that prize precision, clarity, rigour, practice, and patience. Students in this course should expect to develop an enhanced ability to engage in disciplined argument and to critically evaluate the arguments of others, especially in philosophical and scientific contexts. Students should also be prepared to confront and hopefully overcome personal concerns about “math-phobia”, or the paralyzing aversion to mathematical or technical material. The course assumes no prior knowledge of logic.

Requirements

- Participation: 5% (forum interaction, textbook errors, Zoom participation)
- 8 Homeworks: 16% (2% each – graded for completion)
- Daily Quizzes: 24% (1–3% each, most days – see Daily Lesson Checklists)
- Midterm: 25% (timed assignment available June 8th)
- Final Exam: 30% (timed assignment during June 2019 exam period)

Quizzes reinforce content and ensure daily engagement. Homeworks are more substantial and encourage consistent practice, they’ll be graded for completion only. Homework submitted a day late receives 50% credit. After that no credit, but they’ll still be corrected.

Students are expected to engage with OWL *daily* to keep up with the reading and practice schedule as outlined below and detailed in the Daily Lesson Checklists. In my experience, students *cannot* do well in this course without substantial practice every single day.

Texts

- Merrie Bergmann, J. Moore, & J. Nelson (2014). *The Logic Book*, 6th ed. McGraw-Hill. (E-book available for purchase from bookstore website; also available on Amazon)
- Various supplementary readings to be made available on OWL.

Schedule

Please note this is a six-week accelerated online course—a full-year course in the period from May 11th to June 26th. The material requires attention every single day, not just for learning but more importantly for skills practice. Expectation is 4–6 hours of engagement per weekday. The pace will be quick, the workload extremely heavy, but the rewards great.

This course is “asynchronous,” meaning we won’t all meet as a group at a particular time. Instead, you’ll follow along day-by-day as the course progresses, working through course activities and materials so that you can meet the course deadlines. I’ll hold periodic live “drop-in” tutorials via Zoom, and will otherwise endeavour to be as accessible as possible.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
“First Term”				
May 11 §1.1–1.3	May 12 §2.1–2.2 Homework 1	May 13 §2.3–2.4	May 14 §3.1–3.3 + Set Theory	May 15
May 18 Long Weekend!!	May 19 §3.4–3.5 Homework 2	May 20 §5.1	May 21 §5.2–5.4	May 22
May 25 §3.6 + Proofs & Induction	May 26 §6.1–6.2 Homework 3	May 27 §6.3–6.4	May 28 Computation Homework 4	May 29
Break Week! (i.e., extra practice week!) June 1 – 5				
“Second Term”				
June 8 Midterm!	June 9 §7.1–7.3	June 10 §7.4 Homework 5	June 11 7.5 + Relations & Descriptions	June 12
June 15 §8.2–8.3	June 16 §8.4, §8.6 Homework 6	June 17 §10.1–10.2	June 18 §10.3–10.4	June 19
June 22 §8.1, §8.5 + Truth Definition	June 23 §11.1–11.2 Homework 7	June 24 §11.3–11.4	June 25 Infinity & Math Homework 8	June 26

Final Exam: Either June 29th or 30th, as scheduled by the Registrar.

Appendix to Course Outlines: Academic Policies & Regulations 2020

Prerequisite and Antirequisite Information

Students are responsible for ensuring that they have successfully completed all course prerequisites and that they have not completed any course antirequisites. Unless you have either the requisites for this course or written special permission from your Dean to enrol in it without them, you may be removed from this course and it will be deleted from your record. If you enrol in this course despite having already taken an antirequisite you may be removed from this course and it will be deleted from your record. Removals for these reasons 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 or for having already taken the antirequisites.

Conduct of Students in Classes, Lectures, and Seminars

Membership in the community of Huron University College and Western University implies acceptance by every student of the principle of respect for the rights, responsibilities, dignity and well-being of others and a readiness to support an environment conducive to the intellectual and personal growth of all who study, work and live within it. Upon registration, students assume the responsibilities that such registration entails. The academic and social privileges granted to each student are conditional upon the fulfillment of these responsibilities.

In the classroom, students are expected to behave in a manner that supports the learning environment of others. Students can avoid any unnecessary disruption of the class by arriving in sufficient time to be seated and ready for the start of the class, by remaining silent while the professor is speaking or another student has the floor, and by taking care of personal needs prior to the start of class. If a student is late, or knows that he/she will have to leave class early, be courteous: sit in an aisle seat and enter and leave quietly.

Please see the Code of Student Conduct at:

www.huronuc.on.ca/sites/default/files/pdfs/Code%20of%20Student%20Conduct.pdf.

Technology

It is not appropriate to use technology (such as, but not limited to, laptops, cell phones) in the classroom for non-classroom activities. Such activity is disruptive and is distracting to other students and to the instructor, and can inhibit learning. Students are expected to respect the classroom environment and to refrain from inappropriate use of technology and other electronic devices in class.

Class Cancellations

In the event of a cancellation of class, every effort will be made to post all relevant information on the OWL class site, <https://owl.uwo.ca/portal>, and on the Huron website at <https://huronatwestern.ca/about/accessibility>.

Attendance Regulations for Examinations

A student is entitled to be examined in courses in which registration is maintained, subject to the following limitations:

- 1) A student may be debarred from writing the final examination for failure to maintain satisfactory academic standing throughout the year.

2) Any student who, in the opinion of the instructor, is absent too frequently from class or laboratory periods in any course will be reported to the Dean of the Faculty offering the course (after due warning has been given). On the recommendation of the Department concerned, and with the permission of the Dean of that Faculty, the student will be debarred from taking the regular examination in the course. The Dean of the Faculty offering the course will communicate that decision to the Dean of the Faculty of registration.

Please see the policy on Attendance Regulations for Examinations here:
https://www.uwo.ca/univsec/pdf/academic_policies/exam/attendance.pdf.

Academic Student Support Services

For advice on course selections, degree requirements, and for assistance with requests for medical accommodation, students should email an Academic Advisor in Huron's Student Support Services at huronsss@uwo.ca. An outline of the range of services offered is found on the Huron website at: <https://huronatwestern.ca/academic-advising>.

Department Chairs, Program Directors and Coordinators are also able to answer questions about individual programs. Contact information can be found on the Huron website at: <https://huronatwestern.ca/contact/contact-directory>.

Adding / Dropping Courses

If you think that you are too far behind to catch up or that your workload is not manageable, you should consult your Academic Advisor. If you are considering reducing your workload by dropping one or more courses, this must be done by the appropriate deadlines. Please refer to the Huron website, <https://huronatwestern.ca/academic-advising> or review the list of official Sessional Dates on the Academic Calendar, available here: <http://www.westerncalendar.uwo.ca/SessionalDates.cfm>.

You should consult with the course instructor and the Academic Advisor who can help you consider alternatives to dropping one or more courses. Note that dropping a course may affect OSAP and/or Scholarship/Bursary eligibility.

Copyright Regarding Course Material

Lectures and course materials, including PowerPoint presentations, tests, outlines, and similar materials are protected by copyright. Faculty members are the exclusive owner of copyright in those materials they create. Students may take notes and make copies for their own use. Students may not allow others to reproduce or distribute lecture notes and course materials publicly (whether or not a fee is charged) without the express written consent of a faculty member. Similarly, students own copyright in their own original papers and exam essays. If a faculty member is interested in posting a student's answers or papers on the course website he/she should ask for the student's written permission.

Statement on Academic Integrity

The International Centre for Academic Integrity defines academic integrity as "a commitment, even in the face of adversity, to five fundamental values: honesty, trust, fairness, respect, and responsibility. From these values flow principles of behaviour that enable academic communities to translate ideals to action." (CAI Fundamental Values Project, 1999).

A lack of academic integrity is indicated by such behaviours as the following:

- Cheating on tests;
- Fraudulent submissions online;
- Plagiarism in papers submitted (including failure to cite and piecing together unattributed sources);

- Unauthorized resubmission of course work to a different course;
- Helping someone else cheat;
- Unauthorized collaboration;
- Fabrication of results or sources;
- Purchasing work and representing it as one's own.

Academic Integrity: Importance and Impact

Being at university means engaging with a variety of communities in the pursuit and sharing of knowledge and understanding in ways that are clear, respectful, efficient, and productive. University communities have established norms of academic integrity to ensure responsible, honest, and ethical behavior in the academic work of the university, which is best done when sources of ideas are properly and fully acknowledged and when responsibility for ideas is fully and accurately represented.

In the academic sphere, unacknowledged use of another's work or ideas is not only an offence against the community of scholars, it is also an obstacle to academic productivity. It may also be understood as fraud and may constitute an infringement of legal copyright.

A university is a place for fulfilling one's potential and challenging oneself, and this means rising to challenges rather than finding ways around them. The achievements in an individual's university studies can only be fairly evaluated quantitatively through true and honest representation of the actual learning done by the student. Equity in assessment for all students is ensured through fair representation of the efforts by each.

Acting with integrity at university constitutes a good set of practices for maintaining integrity in later life. Offences against academic integrity are therefore taken very seriously as part of the university's work in preparing students to serve, lead, and innovate in the world at large.

A university degree is a significant investment of an individual's, and the public's, time, energies, and resources in the future, and habits of academic integrity protect that investment by preserving the university's reputation and ensuring public confidence in higher education.

Students found guilty of plagiarism will suffer consequences ranging from a grade reduction, to failure in the course, to expulsion from the university. In addition, a formal letter documenting the offence will be filed in the Dean's Office, and this record of the offence will be retained in the Dean's Office for the duration of the student's academic career at Huron University College.

Statement on Academic Offences

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, as per the Academic Calendar: http://www.westerncalendar.uwo.ca/PolicyPages.cfm?PolicyCategoryID=1&Command=showCategory&SelectedCalendar=Live&ArchiveID=#SubHeading_189 .

Turnitin.com

All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University, for a 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.

Computer-Marked Tests/exams

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.

Clickers

Personal Response Systems (“clickers”) may be used in some classes. If clickers are to be used in a class, it is the responsibility of the student to ensure that the device is activated and functional. Students must see their instructor if they have any concerns about whether the clicker is malfunctioning. Students must use only their own clicker. If clicker records are used to compute a portion of the course grade:

- the use of somebody else’s clicker in class constitutes a scholastic offence
- the possession of a clicker belonging to another student will be interpreted as an attempt to commit a scholastic offence.

Policy on “Special” Accommodation

Students who require **special** accommodation for tests and/or other course components must make the appropriate arrangements with the Student Development Centre (SDC). Further details concerning policies and procedures may be found at: <http://www.sdc.uwo.ca/ssd/index.html> .

Academic Consideration for Missed Work

Students who are seeking academic consideration for missed work during the semester may submit a self-reported absence form online provided that the absence is 48 hours or less and the other conditions specified in the Senate policy at

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Consideration_for_absences.pdf are met.

Students whose absences are expected to last longer than 48 hours, or where the other conditions detailed in the policy are not met (e.g., work is worth more than 30% of the final grade, the student has already used 2 self-reported absences, the absence is during the final exam period), may receive academic consideration by submitting a Student Medical Certificate (for illness) or other appropriate documentation (for compassionate grounds). The Student Medical Certificate is available online at

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf .

All students pursuing academic consideration, regardless of type, must contact their instructors no less than 24 hours following the end of the period of absence to clarify how they will be expected to fulfill the academic responsibilities missed during their absence. **Students are reminded that they should consider carefully the implications of postponing tests or midterm exams or delaying submission of work, and are encouraged to make appropriate decisions based on their specific circumstances.**

Students who have conditions for which academic accommodation is appropriate, such as disabilities or ongoing or chronic health conditions, should work with Accessible Education Services to determine appropriate forms of accommodation.

Information for Student Illness Reporting Tool Site

Beginning March 18, 2020 at 9:00 a.m. all students are asked to use a new, online [Student Illness Reporting Tool](#) to track and monitor illnesses, whether the illness impacts the submission of course work or not. The illness must be entered each day that you are ill. When the notification is saved, an email is automatically sent to you for your records. This tool takes the place of the need to submit a medical note and the Self-Reported Absence System used by undergraduate students.

If you have self-reported and require accommodation for a deadline or an exam, please email your instructor directly with the details.

The health, safety and wellness of the university community is important to Western. During the current COVID-19 situation, it is essential for Western to track the impact of illnesses for the University. The Middlesex-London Health Unit must receive this data to be able to quickly understand the magnitude of illness affecting the university community.

Requests for Academic Consideration Using the Self-Reported Absence Form

Students who experience an unexpected illness or injury or an extenuating circumstance (48 hours or less) that is sufficiently severe to temporarily render them unable to meet academic requirements (e.g., attending lectures or labs, writing tests or midterm exams, completing and submitting assignments, participating in presentations) should self-declare using the online Self-Reported Absence portal. This option should be used in situations where the student expects to resume academic responsibilities within 48 hours or less.

Please review the full policy at,

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.pdf .

Policy on “Academic” Accommodation - Medical / Non-Medical Grounds (if absence is not self-reported)

- (a) **Medical Grounds for assignments worth 10% or more of final grade: Go directly to Huron Support Services/ Academic Advising, or email huronsss@uwo.ca .**

University Senate policy, which can be found at,

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf , requires that all student requests for accommodation on medical grounds for assignments worth 10% or more of the final grade be made directly to the academic advising office of the home faculty (for Huron students, the “home faculty” is Huron), with supporting documentation in the form (minimally) of the Senate-approved Student Medical Certificate found at:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf .

The documentation is submitted in confidence and will not be shown to instructors. The advisors will contact the instructor when the medical documentation is received, and will outline the severity and duration of the medical challenge as expressed on the Student Medical Certificate and in any other supporting documentation. The student will be informed that the instructor has been notified of the presence of medical documentation, and will be instructed to work as quickly as possible with the instructor on an agreement for accommodation.

The instructor will not normally deny accommodation where appropriate medical documentation is in place and where the duration it describes aligns with the due date(s) of assignment(s). Before denying a request for accommodation on medical grounds, the instructor will consult with the Dean. The instructor’s decision is appealable to the Dean.

- (b) **Accommodation on Medical Grounds for assignments worth less than 10% of final grade: Consult Instructor Directly**

When seeking accommodation on medical grounds for assignments worth less than 10% of the final course grade, the student should contact the instructor directly. The student need only share broad outlines of the medical situation. The instructor may require the student to submit documentation to the academic

advisors, in which case she or he will advise the student and inform the academic advisors to expect documentation. The instructor may not collect medical documentation. The advisors will contact the instructor when the medical documentation is received, and will outline the severity and duration of the medical challenge as expressed on the Student Medical Certificate and in any other supporting documentation. The student will be informed that the instructor has been notified of the presence of medical documentation, and will be instructed to work as quickly as possible with the instructor on an agreement for accommodation.

The instructor will not normally deny accommodation where appropriate medical documentation is in place and where the duration it describes aligns with the due date(s) of assignment(s). Before denying a request for accommodation on medical grounds, the instructor will consult with the Dean. The instructor's decision is appealable to the Dean.

(c) Non-Medical Grounds: Consult your Instructor directly.

Where the grounds for seeking accommodation are not medical, the student should contact the instructor directly. Late penalties may apply at the discretion of the instructor. Apart from the exception noted below, academic advisors will not be involved in the process of accommodation for non-medical reasons.

Where a student seeks accommodation on non-medical grounds where confidentiality is a concern, the student should approach an academic advisor with any documentation available. The advisors will contact the instructor after the student's request is received, and will outline the severity and duration of the challenge without breaching confidence. The student will be informed that the instructor has been notified that significant circumstances are affecting or have affected the student's ability to complete work, and the student will be instructed to work as quickly as possible with the instructor on an agreement for accommodation. Before denying a request for accommodation where documentation has been submitted to an academic advisor, the instructor will consult with the Dean. The instructor's decision is appealable to the Dean.

Mental Health & Wellness Support at Huron and Western

Students who are stressed, emotionally distressed or in mental health crisis, please refer to: <https://huronatwestern.ca/student-life-campus/student-services/wellness-safety> for a complete list of options about how to obtain help, or email Huronwellness@huron.uwo.ca to access your wellness staff directly. Additional supports for Health and Wellness may be found and accessed at Western through, www.uwo.ca/uwocom/mentalhealth/.

The Student Emergency Response Team (SERT) provides medical response to 9-1-1 calls on Main and Affiliate campuses which operates 24 hours a day, 7 days a week during the academic year. SERT is dispatched through the campus community Police Service (CCPS) to any medical emergency on campus at (519) 661-3300. For more information about SERT please visit: sert.uwo.ca/about-sert/about-sert/.

Important Dates & Directory at Huron and Western

For a current list of important dates and campus directories, please visit:

- **Huron – Important Dates:** <https://huronuc.ca/important-dates-and-deadlines>
- **Western – Academic Calendar & Sessional Dates:** <http://www.westerncalendar.uwo.ca/SessionalDates.cfm>
- **Huron Directory – Faculty, Staff and Administration:** <https://huronuc.ca/index.php/contact/contact-directory>
- **Western Directory – Faculty, Staff and Administration:** <https://www.uwo.ca/directory.html>