

WESTERN UNIVERSITY
DEPARTMENT OF PHILOSOPHY
Undergraduate Course Outline 2020-21
Philosophy Course Number: Philosophy 2020, Basic Logic

Fall and Winter Term
Synchronous W 9:30-11:30

Instructor: Chris Viger
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Office Hours: W 12:30-1:30, Th 10:30-11:30
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DESCRIPTION

This is an introductory course in formal logic. The focus of the course is on Modern Symbolic Logic. The first term focuses solely on propositional or sentential logic; the second term is dedicated to first-order predicate logic. A system of natural deduction is introduced for proving statements and assessing natural language arguments. A formal language is introduced along with techniques for translating between this formal system and natural language. Truth tables are used to test for truth-functional properties. A more efficient system of truth trees is then introduced to test for these properties. Time permitting the course will conclude with a brief introduction to modal and other alternative logics.

TEXTS

Arthur, Richard (2011). Natural Deduction: An Introduction to Logic with Real Arguments, A Little History and Some Humour. Broadview Press.

(Note: You may order a hard copy through the BookStore's website and the book will be shipped directly to you. Alternatively, you may order the ebook through the Bookstore's website here <https://bookstore.uwo.ca/product/cebebookid9649868>).

OBJECTIVES

1. Improve critical reasoning skills
2. Learn formal systems of propositional and first-order predicate logic
3. Learn to translate between ordinary language and formal language
4. Use truth tables to test for truth-functional properties
5. Learn to use formal trees to test for various logical properties
6. Learn formal proof methods and use them to test argument validity

REQUIREMENTS

Weekly Assignments 40%

(20% per term, with the highest 10 assignments counting for the grade)

First Term Midterm Examination 10%

(1 hour exam during class time)

Midyear Examination 20%

(2 hour exam)

Second Term Midterm Examination 10%

(1 hour exam during class time)

Final Examination 20%

(2 hour exam; students who have completed at least 70% of all assignments and both midterms and the midyear examination who receive a higher grade on the final examination than their cumulative average for the year may count the final examination for 100% of their course grade)

AUDIT

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

DEPARTMENT OF PHILOSOPHY POLICIES

The **Department of Philosophy Policies** which govern the conduct, standards, and expectations for student participation in Philosophy courses is available in the Undergraduate section of the Department of Philosophy website at <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.

ACCOMMODATION

Students seeking academic accommodation on medical grounds for any missed tests, exams, participation components and/or assignments worth 10% or more of their final grade must apply to the Academic Counselling office of their home Faculty and provide documentation. Academic accommodation cannot be granted by the instructor or department. Documentation shall be submitted, as soon as possible, to the Office of the Dean of the student's Faculty of registration, together with a request for relief specifying the nature of the accommodation being requested.

The UWO Policy on Accommodation for Medical Illness and further information regarding this policy can be found at

http://uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf.

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.

The following conditions are in place for self-reporting of medical or extenuating circumstances:

http://westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#SubHeading_322

EVALUATION OF ACADEMIC PERFORMANCE

At least three days prior to the deadline for withdrawal from a course without academic penalty, students will receive assessment of work accounting for at least 15% of their final grade. For 3000- or 4000-level courses in which such a graded assessment is impracticable, the instructor(s) must obtain an exemption from this policy from the Dean and this exemption must be noted on the corresponding course syllabus. In rare instances and at the Dean's discretion, other courses could receive a similar exemption, which also must be noted in the course syllabus.

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.

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, at the following Web site: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

PLAGIARISM CHECKING

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 The University of Western Ontario and Turnitin.com <http://www.turnitin.com>.

SUPPORT SERVICES

Registrarial Services <http://www.registrar.uwo.ca>

Student Support Services <https://student.uwo.ca/psp/heprdweb/?cmd=login>

Services provided by the USC <http://westernusc.ca/services/>

Student Development Centre <http://www.sdc.uwo.ca/>

Students who are in emotional/mental distress should refer to Mental Health@Western <http://www.uwo.ca/uwocom/mentalhealth/> 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.