



PHIL 279 Lec 02

Logic I

Fall Term 2019

Lectures: T, Th 11:00-12:15 (ICT 122)

Tutorials: F 10:00-10:50 (ST 059); F 12:00-12:50 (ST 064); F 13:00-13:50 (ST 064)

COURSE OUTLINE

Instructor: Ali Kazmi

Office: SS 1252

Office Phone: 403 220 5535

Email: akazmi@ucalgary.ca

Office Hours: T, Th 12:30-13:30

Teaching Assistant: Brent Odland

Office: SS 1242

Office Phone: 403 220 6464

Email: brent.odland@ucalgary.ca

Office Hours: M 14:00-15:00;

W 12:30- 13:30

COURSE INFORMATION

This course is an introduction to first-order logic. The syntax and semantics of first-order sentences, tests of validity, and proofs of the correctness and completeness of these tests will be presented in class.

PREREQUISITE(S)

None.

COURSE OBJECTIVES/LEARNING OUTCOMES

The students will learn the fundamentals of first-order logic. These will include (i) the syntax of first-order formal languages, (ii) definitions of truth in an interpretation, satisfiability, validity, and consequence, (iii) formal procedures for testing unsatisfiability, validity, and consequence, (iv) proofs of the adequacy of these procedures.

REQUIRED TEXT

Richard Jeffrey, *Formal Logic: Its Scope and Limits*, 4th edition.

COURSE ASSESSMENT AND EVALUATION

There will be three in-class tests. The first two in-class tests will be weighted 30% of the final mark each, and the third in-class test will be weighted 10% of the final mark. In addition, there will be six equally weighted take-home assignments. These will determine 30% of the final mark. There will be no Registrar-scheduled final examination.

No late tests or assignments will be accepted under normal circumstances.

The following table will be used to convert final marks into letter grades. Passing mark on any one assignment or test is not required to pass the course.

0-45% F	56-60% C-	71-75% B-	86-90% A-
46-50% D	61-65% C	76-80% B	91-95% A
51-55% D+	66-70% C+	81-85% B+	96-100% A+

SCHEDULE OF ASSIGNMENTS AND IN-CLASS TESTS

<u>Assignment</u>	<u>Given On</u>	<u>Due in Class On</u>
#1	September 10	September 17
#2	September 19	September 26
#3	October 1	October 8
#4	October 17	October 24
#5	October 29	November 5
#6	November 21	November 28

<u>In-Class Tests</u>	<u>Given On</u>
#1	October 15
#2	November 19
#3	December 5

IMPORTANT DEPARTMENTAL, FACULTY AND UNIVERSITY INFORMATION

Academic Accommodations

It is the student's responsibility to request academic accommodations according to the University policies and procedures. The student accommodation policy can be found at ucalgary.ca/access/accommodations/policy.

Students needing an Accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities.pdf. Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to their instructor.

Absence or Missed Course Assessments

Students who are absent from class assessments (tests, participation activities, or other assignments) should inform their instructors as soon as possible. Instructors may request that evidence in the form of documentation be provided. If the reason provided for the absence is acceptable, instructors may decide that any arrangements made can take forms other than make-up tests or assignments. For example, the weight of a missed grade may be added to another assignment or test. For information on possible forms of documentation, including statutory declarations, please see ucalgary.ca/pubs/calendar/current/m-1.html

Student Support and Resources

Full details and information about the following resources can be found at ucalgary.ca/Registrar/registration/course-outlines

- Wellness and Mental Health Resources
- Student Success Centre
- Student Ombuds Office
- Student Union (SU) Information
- Graduate Students' Association (GSA) Information
- Emergency Evacuation/Assembly Points
- Safewalk

Academic Advising

If you are a student in the Faculty of Arts, you can speak to an academic advisor in the Arts Students' Centre about course planning, course selection, registration, program progression and more. Visit the Faculty of Arts website at arts.ucalgary.ca/advising for contact details and information regarding common academic concerns.

For questions specific to the philosophy program, please visit phil.ucalgary.ca. Further academic guidance is available by contacting David Dick (Undergraduate Program Director dgdick@ucalgary.ca) or Jeremy Fantl (Honours Advisor jfantl@ucalgary.ca). If you have questions regarding registration, please email Rebecca Lesser (Undergraduate Program Administrator phildept@ucalgary.ca).

Writing Assessment and Support

The assessment of all written assignments—and, to a lesser extent, written exam responses—is based in part on writing skills. This includes correctness (grammar, punctuation, sentence structure, etc.), as well as general clarity and organization. Research papers must include a thorough and accurate citation of sources. Students are also encouraged to use Writing Support Services for assistance (one-on-one appointments, drop-in support and writing workshops). For more information, and other services offered by the Student Success Centre, please visit ucalgary.ca/ssc.

Online Resources and Electronic Devices

Important information and communication about this course may be posted on D2L (Desire2Learn), UCalgary's online learning management system. Visit ucalgary.service-now.com/it for how-to information and technical assistance.

The instructor reserves the right to establish specific course policies regarding the use of electronic devices. If permitted, the use of devices must be exclusively for instructional purposes, and without disruption to the instructor or fellow students. Devices should be set to silent mode during lectures. Audio or video recording of lectures is not permitted without the written permission of the instructor. Students violating this policy are subject to discipline under the University of Calgary's Non-Academic Misconduct policy.

Academic Misconduct/Honesty

Cheating or plagiarism on any assignment or examination is as an extremely serious academic offense, the penalty for which will be an F on the assignment or an F in the course, and possibly a disciplinary sanction such as probation, suspension, or expulsion. For information on academic misconduct and its consequences, please see the University of Calgary Calendar at ucalgary.ca/pubs/calendar/current/k.html.

Intellectual honesty requires that your work include adequate referencing to sources. Plagiarism occurs when you do not acknowledge or correctly reference your sources. If you have questions about referencing, please consult your instructor.

University Policies

The Instructor Intellectual Property Policy is available at ucalgary.ca/policies/files/policies/Intellectual%20Property%20Policy.pdf

The University of Calgary is under the jurisdiction of the provincial Freedom of Information and Protection of Privacy (FOIP) Act, as outlined at ucalgary.ca/legalservices/foip. The instructor (or TA) must return graded assignments *directly* to the student UNLESS written permission to do otherwise has been provided.

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf) and requirements of the copyright act (laws-lois.justice.gc.ca/eng/acts/C-42/index.html).