PHIL 279 Lec 02
Logic 1
Winter Term 2018

Course Outline

Lectures: MW 15:30 - 16:45; Location: AD 142

Instructor: **Jack MacIntosh**
Office: **SS 1249**
Office Phone: **403-220-3164**
Email: **macintos@ucalgary.ca**
Office Hours: 10:00 - 12:00 every Thursday from January 11 to April 12 apart from Reading Week (February 22)

Teaching Assistant: **Aaron Thomas-Bolduc**
Office: **SS 1229**
Office Phone: **403-220-7518**
Email: **athomasb@ucalgary.ca**
Office Hours: 13:00 - 15:00 every Thursday from January 11 to April 12 apart from Reading Week (February 22)

Office hours FOR BOTH JJM AND AT-B: OR BY APPOINTMENT

Note that this means what it says. For both JJM and AT-B you are not limited to the times listed, but you may need to make an appointment. If you email to ask for an appointment please be sure to state clearly the times you are available.

Five Notes about Email:
1) Students wishing to get in touch with either JJM or AT-B via email should ensure that "Philosophy 279" or some other clearly identifying term occurs in the subject line. Otherwise there is a strong possibility that your message will be deleted unread as spam.
2) If you email either JJM or AT-B with a question which involves symbols, please submit the question as a pdf attachment if possible—email may garble symbols, particularly if combined with MS Word (which can manage such garbling all on its own).
3) If you email either JJM or AT-B to make an appointment please **indicate clearly the times when you are available**.
4) Please make sure your first and last name is clearly included in the *body* of any email message.
5) Please notice that correspondence regarding assignment submission should be directed in the first instance to AT-B.

Course Description
In this course we shall discuss the notions involved in an elementary first order logic with identity. In particular, students will be expected to familiarize themselves with:
a) the logical form of ordinary language sentences, and the most useful way of symbolizing such sentences;
b) decision procedures for truth functional sentences;

c) natural deduction derivations in sentential and quantificational logic with identity;
d) some elementary metatheoretical concepts of, and proofs about, sentential logic, including the notion of a model, soundness, and completeness.

Further details will be posted on D2L.

At some point toward the end of term 15-20 minutes at the beginning of class will be used for student surveys.

Prerequisites: None

Course Learning Outcomes
- Proficiency in deciding upon the logical form of ordinary language sentences, and assessing the validity of both formal and informal arguments.
- Ability to use truth tables, and shorter truth table methods, in evaluating sentences and arguments in a bivalent system.
- Understanding and proving simple metatheorems involving the notion of consequence.
- Achieving facility in deriving conclusions from premises within a Natural Deduction system in both sentential and predicate logic, including predicate logic with identity.
- Ability to follow, understand, and produce simple metatheoretic results in sentential logic.

Required text: Brian F. Chellas, *Elementary Formal Logic*

Course Assessment
Marks will be based on a combination of in-class tests and assignments. There will be no Registrar-scheduled final examination.
a) Tests: There will be four in-class tests, on January 31, February 28, March 28, April 11. The first test will be worth 19% of the final mark, the second and third will be worth 25% each, the fourth will be worth 10% of the final mark. (It is a University regulation that in-class tests in the final two weeks of term may not have a total value greater than 10% of the final mark.) Students may bring into each of the tests as an *aide memoire* a single sheet of normal sized (8 1/2" x 11") paper, containing any material they feel will be useful. You may write or print on both sides of the paper. No other notes, books, computers, etc. are allowed. On your tests please write as legibly as time allows and if possible use a pen, not a pencil. Simply cross out material you do not wish to have considered—there is no need to erase it. If you do use a pencil please do not use one with a very light lead. **During the in-class tests please be sure not to sit next to your usual seat-mates.**
b) Assignments: There will be 8 assignments; your final assignment mark will be based on the best 7, each worth 3% of the final mark for a cumulative total of 21%. Assignment totals ending in .5 or above will be raised to the next whole number; totals ending in .4 or below will be lowered to the nearest whole number. This applies only to the *total* assignment mark, not to the marks of individual assignments. Assignments are due by 4:00 p.m. on the following dates: January 18 (A1), January 25 (A2), February 8 (A3), February 15 (A4), March 8 (A5), March 15 (A6), March 22 (A7), and April 5 (A8). There is a clearly marked box in the hallway of the Philosophy Department (SS 12th floor) where assignments for this course may be handed in. Assignments may also be handed in to the tutor or instructor in any preceding class or tutorial.
Note that it is important to keep up with your assignments. If you are having trouble with a particular assignment, see your tutor, instructor, or PASS assistant: don't just skip it! Please make sure that your name is *printed* clearly and readably on your assignment.

There is no particular component of the course in which a pass is essential if the student is to pass the course as a whole. **The evaluation method cannot be altered once the term has begun.** As noted above it is a University regulation that in-class tests in the final two weeks of term cannot be worth a total of more than 10% of the final mark. There will be no Registrar scheduled final exam.

Grading Method
Numerical and grade equivalents in the course are as follows: A+ = 90-100 A = 85-89; A– = 80-84; B+ = 75-79; B = 70-74; B– = 65-69; C+ = 60-64; C = 55-59; C– = 50-54; D+ = 45-49; D = 40-44; F = 0-39.

Policy on Late Assignments
No late assignments save in exceptional circumstances and **after consultation with the tutor**. Emailed submissions are not accepted: hard copies only. As mentioned above, assignments may be handed in, in class or in tutorials, before the time they are due, or deposited in the clearly marked box in the hallway of the Philosophy Department (12th floor, Social Sciences).

Tutorials
Tutorials are as follows:

> T04 T 14:00-14:50 CHE 102
> T05 T 15:00-15:50 CHE 102
> T06 W 13:00-13:50 CHE 106

Tutorials begin in the second week of term, the week beginning Monday, January 15. **There are no tutorials in the first week of term (January 8-12)**.

The following important notes are provided by the University:

IMPORTANT DEPARTMENTAL, FACULTY AND UNIVERSITY INFORMATION

Academic Honesty
Cheating or plagiarism on any assignment or examination is regarded as an extremely serious academic offense, the penalty for which may be an F on the assignment, an F in the course, academic probation, or requirement to withdraw from the University. See the relevant sections on 'Academic Misconduct' in the current University Calendar. 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 correct referencing, consult your instructor.

Academic Accommodation
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 http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf.

Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to their instructor.

D2L Help
Desire2Learn is UCalgary's online learning management system. Important information and communications about this course may be posted on D2L. Go to https://ucalgary.service-now.com/it for help.

General Academic Concerns and Program Planning
Have a question but not sure where to start? The Arts Students Centre is your information resource for everything in the Faculty of Arts. Drop in at SS102, call 403-220-3580, or email ascarts@ucalgary.ca . Advisors in the ASC can also provide assistance and advice in planning your program through to

graduation. Visit the Faculty of Arts website at https://arts.ucalgary.ca/undergraduate for detailed information on common academic concerns

Advice on Philosophy Courses
You may find answers to your more specific questions about a philosophy degree on the Department of Philosophy's website http://phil.ucalgary.ca , or contact one of Philosophy's Undergraduate Advisors. Jeremy Fantl (jfantl@ucalgary.ca), Allen Habib (anhabib@ucalgary.ca), Megan Delehanty (mdelehan@ucalgary.ca).

Registration Overload/Prereq Waivers
If you are seeking to register in a Philosophy course that is full or to get permission to waive the prereqs for a course, email the Department Manager, Tram Nguyen (tram.nguyen1@ucalgary.ca). Include the specific course information and your UCID number in your request.

Writing
This course will include written assignments. Faculty policy directs that all written assignments (including, although to a lesser extent, written exam responses) will be assessed at least partly on writing skills. Writing skills include not only surface correctness (grammar, punctuation, sentence structure, etc.) but also general clarity and organization. Research papers must be properly documented. Students are also encouraged to use Writing Support Services and other Student Success Centre Services, located on the 3rd floor of the Taylor Family Digital Library. Writing Support Services assist with a variety of assignments, from essays to lab reports. Students can book 30-minute one-on-one appointments online, sign up for 15- minute drop-in appointments, and register for a variety of writing workshops. For more information on this and other Student Success Centre services, please visit www.ucalgary.ca/ssc .

Protection of Privacy
The University of Calgary is under the jurisdiction of the provincial Freedom of Information and Protection of Privacy (FOIP) Act. The Department of Philosophy ensures the student's right to privacy by requiring all graded assignments be returned to the student directly from the instructor or teaching assistant.

Internet and Electronic Communication Devices
The instructor reserves the right to establish course policies regarding the use of devices such as laptops, tablets, and smartbooks. If allowed, these devices must be used exclusively for instructional purposes and must not cause disruption to the instructor or to fellow students. Cell phones and paging 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

Emergency Evacuation:
In case of an emergency evacuation during class, students must gather at the designated assembly point nearest to the classroom. The list of assembly points is found at http://www.ucalgary.ca/emergencyplan/assemblypoints . Please check this website and note the nearest assembly point for this course.

Other Helpful Contacts
- Safewalk and Campus Security: 403-220-5333.
- Faculty of Arts Student Representatives: 403-220-6552, arts1@su.ucalgary.ca , arts2@su.ucalgary.ca, arts3@su.ucalgary.ca, arts4@su.ucalgary.ca
- Student Union: https://www.su.ucalgary.ca/; 403-220-6551.
- Student Ombudsman: http://www.ucalgary.ca/provost/students/ombuds
- Campus Mental Health Strategy: https://www.ucalgary.ca/mentalhealth/