



**FACULTY OF ARTS
DEPARTMENT OF PHILOSOPHY**

PHIL 279 Lec 01 – Logic I

Winter Term 2012

Course Outline

Lectures: TR 9:30 - 10:45, ENA 103

Instructor: J. J. MacIntosh

Office: SS 1249

Phone: 403-220-3164

Email: macintos@ucalgary.ca

TA: Gillman Payette

Office: SS 1227

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Email: ggpayett@ucalgary.ca

Three Notes about Email:

- 1) Students wishing to get in touch with either JJM or GGP via email should ensure that “Phil 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) Should you change your email address during the term please ensure that it is changed in the University system. If you do not, and an email message is sent to the class, it will fail to reach you.
- 3) If you email either JJM or GGP with a question which involves symbols, please submit the question as a pdf attachment—email may garble symbols, particularly if combined with MSWord (which can manage it all on its own).

Office Hours: In the period January 9 - April 13, office hours are at the following times:

JJM: Thursdays 11:00:00 - 12:00, and 15:00-16:00; in the 4 weeks when there are tests on Thursday, office hours are switched to 14:00 - 16:00 on the previous Wednesday, that is, to 14:00 - 16:00 on Feb 1, Mar 7, Mar 28, and Apr 11

GGP: Thursdays 12:00 - 14:00; in the 4 weeks when there are tests on Thursday, office hours are switched to 13:30 - 15:00 on the previous Wednesday, that is, to 13:30 - 15:00 on Feb 1, Mar 7, Mar 28, and Apr 11

IN BOTH CASES: OR BY APPOINTMENT

Note that this means what it says. For both JJM and GGP 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.

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.

A detailed outline will be posted on Blackboard.

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

Required Text

Brian F. Chellas, *Elementary Formal Logic*

Evaluation

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 Feb. 2, March 8, March 29, April 12. The first three will each be worth 22% of the final mark, the fourth will be worth 10% of the final mark. Students may bring into the tests a single sheet of normal sized (8 1/2" x 11") paper, containing any material they feel will be useful. No other notes, books, 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.) During the in-class tests please be sure not to sit next to your usual seat-mates.
- b) Assignments: There will be 8 assignments each worth 3% of the final mark for a cumulative total of 24%. They are due by 4:00 p.m. on Thursdays, on Jan. 19, 26, Feb. 9, 16, March 1, 15, 22, April 5. 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 in any preceding class.

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.

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, before the time they are due, or deposited in the clearly marked box in the hallway of the Philosophy Department (12th floor, Social Sciences).

INTELLECTUAL HONESTY

Intellectual honesty is the cornerstone of the development and acquisition of knowledge and requires that the contribution of others be acknowledged. As a result, cheating or plagiarism on any assignment or examination is regarded as **an extremely serious academic offence**, the penalty for which may be an F on the assignment and possibly also an F in the course, academic probation, or requirement to withdraw. The University Calendar states that plagiarism exists when:

- *the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test;*
- *parts of the work are taken from another source without reference to the original author;*
- *the whole work (e.g., an essay) is copied from another source; and/or*
- *a student submits or presents work in one course which has also been submitted in another course (although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved.*

While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism occurs not only when direct quotations are taken from a source without specific

acknowledgement, but also when original ideas or data from the source are not acknowledged. A bibliography is insufficient to establish which portions of the student's work are taken from external sources; footnotes or other recognized forms of citation must be used for this purpose.

ACADEMIC ACCOMMODATION

It is the student's responsibility to request academic accommodation. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, contact their office at 220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.

FACULTY OF ARTS PROGRAM ADVISING & STUDENT INFORMATION RESOURCES

- Have a question, but not sure where to start? The new Faculty of Arts Program Information Centre (PIC) is your information resource for everything in Arts. Drop in at SS110, phone 403-220-3580 or email at artsads@ucalgary.ca. You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.
- For program planning and advice, contact the Student Success Centre at 403-220-5881 or visit them in their new space on the 3rd Floor of the Taylor Family Digital Library.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them at the MacKimmie Library Block.
- Email Contact Addresses for Students Union Representatives for the Faculty of Arts:
arts1@su.ucalgary.ca arts2@su.ucalgary.ca
arts3@su.ucalgary.ca arts4@su.ucalgary.ca