



FACULTY OF HUMANITIES
DEPARTMENT OF PHILOSOPHY

PHIL 279 Lec 01 – “Logic I”

Winter 2010

Lectures: TR 2:00-3:15

Instructor: J. J. MacIntosh, S.S. 1249, 403-220-3164, macintos@ucalgary.ca

Teaching Assistant: J. Scott, S.S. 1242, 403-220-6464, jrscott@ucalgary.ca.

Tutorials: T01, T 16:00; T02, R 09:30; T03, R 11:00. Note that there are no tutorials in the first week of term, January 11-15.

Office hours: In the period January 11-April 9, except Feb 15-21, office hours are at the following times:

JJM: Tuesdays 11:00-12:00

JRS: Tuesdays 12:00 - 13:00; Thursdays 12:30 - 13:30

OR BY APPOINTMENT

Note that this means what it says. 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.

Three Notes about Email:

- 1) Students wishing to get in touch with either JJM or JRS 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 let the Registrar’s Office know as soon as possible. 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 JRS with a question which involves symbols, please submit the question as a pdf attachment—email tends to garble symbols.

Text: Brian F. Chellas, *Elementary Formal Logic*

Course: 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 sentential logic, including the notion of a model, soundness and completeness.

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

Marks: 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 4, Mar 4, Apr 1, Apr 13. 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 (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.)
- b) Assignments: There will be 8 assignments each worth 3% of the final mark. They are due by 4:00 p.m. Jan 22, 29, Feb 12, 26, Mar 12, 19, 26, Apr 9. No late assignments save in exceptional circumstances and **after consultation with the tutor**. Emailed submissions are not accepted: hard copies only. 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).
- c) General: 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.

Students' Union: The Students' Union has requested that instructors put the name of the appropriate Faculty Representative on course outlines in order to facilitate student consultation with the Students' Union. The Faculty Representative for Humanities this year is Britney Luimes, MSC 251, 220-3913, humanitiesrep@su.ucalgary.ca.

Students with Disabilities: following is the University's statement regarding students with disabilities that may adversely affect their academic performance: It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please 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.

Plagiarism: It is not plagiarism to use, expand, or alter the argument of another person, provided that the source is clearly indicated. Giving your sources has three functions: first, it shows that you are not indulging in casual theft, hoping to pass off someone else's hard won ideas as your own; secondly, it allows your readers to check the matter out for themselves; and thirdly, and perhaps most importantly, it will allow *you*, on some future occasion, to find the original of a worthwhile but only half-remembered, point. I do not expect plagiarism to be a problem in this particular class, but plagiarism is unfortunately a problem in our university and I hereby, *pro forma*, draw your attention to the University statement concerning intellectual honesty:

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 is an extremely serious offence. 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.

Instructor's Note: This statement should not be taken as an injunction not to work together in logic. In formal disciplines such as logic it is often desirable to learn from (and to learn by teaching) others. But it does mean that the work you do must be your own: simple copying of assignments, or copying during tests, is forbidden by University regulations, and those regulations do not leave the treatment of such offences in the hands of individual instructors. All such offences must be reported to the Dean of the offending student's faculty. To remove any temptation there might be to glance at the work of others, or to have your work glanced at, you are hereby asked **not** to sit next to your usual neighbours during in-class tests.
