

PHIL 2001
INTRODUCTION TO LOGIC

Term: Fall 2011

Meetings: Mondays, Wednesdays, and Fridays: 1:35-2:25

Venue: Minto Centre 2000

Instructor: Jordan Dodd

Office: Paterson Hall 329B

Office hours: TBD

Email: jordan_dodd@carleton.ca

Course Website: via <http://jdodd.jottit.com/>

1. Course description

This course is an introduction to deductive logic. We'll use Greg Restall's fabulous little introductory book, which is just called *Logic*. So, as you'd imagine, his introduction to his book speaks pretty nicely to what we'll do in this course. Here's an excerpt:

“Logic can be done in two ways – it can be *formal* and it can be *philosophical*. This book concentrates on *both* aspects of logic. So, we'll be examining the techniques that logicians use in *modelling* good reasoning. This ‘modelling’ is formal and technical, just like the formal modelling you see in other formal disciplines, such as physical and social sciences and economics.

“The philosophical aspects of logic are also important, because we try not only to model good reasoning, but also to understand *why* things work the way they do – or to understand why things *don't* work. So, we will not only learn formal techniques, we will also *analyse* and *interpret* those techniques.”

In the first part of the course, we will try to get clear on the basics of formal logic – namely, how to translate particular types of expressions into symbolic form and test them for logical validity.

In the second part, we will look at a few logical paradoxes, and try to assess their consequences for the logical language (i.e., classical propositional logic) that we used in the first part of the course.

In the third part, we will learn a slightly more advanced logical language called ‘predicate logic’.

Open to first-year students.

2. Texts

The main text is Greg Restall, *Logic* (McGill-Queen's UP). It's available at Octopus Books in the Glebe, at Bank & 3rd (116 3rd Avenue). You could pick it up from Octopus yourself, or you could order it from them through their website: www.octopusbooks.ca

All other readings will be available on, or linked to via, WebCT.

3. Course Evaluation

There will be four tests, and also a final exam (held during the exam period).

The first two tests will be on Unit 1 (Propositional Logic). The first (aka Test#1) will be multiple choice, and the second (aka Test#2) will be written answers.

The second two tests will be on Unit 2 (Logical Paradoxes). Again, the first (aka Test#3) will be multiple choice, and the second (aka Test#4) will be written answers.

The exam will be on Unit 3 (Predicate Logic).

The course evaluation scheme and test dates are:

Test #1 – 15% - **Wednesday, October 12th**

Test #2 – 15% - **Friday, October 14th**

Test #3 – 15% - **Wednesday, November 9th**

Test #4 – 15% - **Friday, November 11th**

Exam – 40% - TBD

4. Respect

Please be respectful of your classmates (and me!) at all times during classes. This includes, for example, not talking when others are, and – obviously – not espousing any sort of bigoted views. If I feel that you're being disruptive, I'll kick you out.

5. Cell phones

Please turn off your cell phones before class starts. It's really annoying when they make noises during class. If for some reason you're expecting an urgent call, just mention this to me before class.

6. Make-up tests

Make-up tests will only be available in the case of documented medical reasons for missing the original test.

7. Cheats!

Obviously, if I believe that you cheated during any of the tests, there will be serious repercussions. The penalty will be 0% on that test, and an incident report will be sent to the Dean's Office (which will determine further action).

8. Email

I do generally respond to emails ... but usually not quickly. In other words, you shouldn't think of me as being 'on call' via email at all times. One reason to note this is that you *should not* put off contacting me about pressing matters until the last minute. Odds are that last minute emails won't reach my attention in time.

Generally speaking, my office hours, not email, should be used for extra help, questions about material, etc.

9. Feedback

The university asks for your feedback on this course at the end of the semester. That sort of feedback has its place, but it doesn't really help me change things on the fly – namely, in ways that will help you, as opposed to just helping future students. So give me feedback: after class, via email, at office hours, around campus, whenever. Tell me that I should go faster or slower on certain material, that such and such topic should be covered in more detail, that our discussion of such and such wasn't clear – or tell me that you think we are going a good speed, that such and such topic was covered in good detail, that our discussion of such and such topic was nice and clear. The moral of the story is that feedback, be it positive, negative, or some shade in between, is welcome and appreciated.

11. Check out the official policies

Various official Carleton U. and Department of Philosophy policies are laid out in the 'University Polices' document that's linked to on the course website. Some of it is presented in lawyer-speak. But, one way or another, you're responsible for knowing all of the material that's presented there. That requirement just follows from being a student in this class.

Department of Philosophy and Carleton University Policies

Assignments:

Unless specifically told otherwise by their instructors, students:

- must not use a plastic or cardboard cover or paper clips
- must staple the paper (there is a stapler on the essay box)
- must include the following in the lower right corner of the cover sheet:
 - student name
 - student number
 - course number and section
 - instructor's name
- The Philosophy Department does not accept assignments by FAX. You may send them by courier, if necessary.
- No assignments will be accepted after the last day for handing in term work – see dates in next column.
- Assignments handed in through the essay box (just inside the glass doors, Paterson Hall, Floor 3A) must be dropped into the box by **4:15** on a regular business day in order to be date-stamped with that day's date. Assignments handed in after 4:15 or on a non-business day will be stamped as having been handed in on the next business day.
- Students are required to keep copies of their assignments. If your paper is lost at any point, you will be considered not to have submitted it if you cannot produce a copy immediately on request.

Deferrals for Term Work:

If you miss a final examination and/or fail to submit a final assignment by the due date because of circumstances beyond your control, you may apply for a deferral of examination/assignment. For deferred examinations, you must apply within 5 working days after the scheduled date of your exam. To apply for deferral of a final assignment, you must apply within 5 working days of the last scheduled day of classes. Visit the Registrar's Office for more information.

Plagiarism:

It is the responsibility of each student to understand the meaning of 'plagiarism' as defined in the Undergraduate or Graduate Calendars, and to avoid both committing plagiarism and aiding or abetting plagiarism by other students. (Undergraduate Calendar Academic Regulations, section 14.3, or <http://www4.carleton.ca/calendars//ugrad/current/regulations/acadregsuniv14.html#14.3>)

Academic Accommodation:

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

Pregnancy obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website <http://www2.carleton.ca/equity/accommodation/>

Religious obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website <http://www2.carleton.ca/equity/accommodation/>

Students with disabilities requiring academic accommodations in this course must register with the Paul Menton Centre for Students with Disabilities (PMC) for a formal evaluation of disability-related needs. Documented disabilities could include but are not limited to mobility/physical impairments, specific Learning Disabilities (LD),

psychiatric/psychological disabilities, sensory disabilities, Attention Deficit Hyperactivity Disorder (ADHD), and chronic medical conditions. Registered PMC students are required to contact the PMC, 613-520-6608, every term to ensure that I receive your Letter of Accommodation, no later than two weeks before the first assignment is due or the first in-class test/midterm requiring accommodations. If you only require accommodations for your formally scheduled exam(s) in this course, please submit your request for accommodations to PMC by the deadlines published on the PMC website: <http://www2.carleton.ca/pmc/new-and-current-students/dates-and-deadlines/>

Important Dates:

Sept. 8	Classes start (after Orientation events).
Sept. 21	Last day for registration and course changes in Fall term and two-term courses.
Sept. 30	Last day for entire fee adjustment when withdrawing from fall term or two-term courses.
Oct. 7	University Day – no classes.
Oct. 10	Thanksgiving Day – university closed.
Nov. 21	Last day for tests or examinations in courses below 4000 level before the Final Examination period.
Dec. 5	Last day of classes, Fall term. Last day for handing in term assignments, subject to any earlier course deadline.
Dec. 5	Last day to withdraw from Fall term courses (academic purposes only).
Dec. 8-21	Final examinations for Fall courses, mid-terms for Fall/Winter courses.
Jan. 4	Winter term classes begin.
Jan. 17	Last day for registration and course changes in Winter term classes.
Jan. 31	Last day for entire fee adjustment when withdrawing from winter courses or winter portion of two-term courses.
Feb. 20	Family Day – university closed
Feb. 20-24	Winter Break, classes suspended.
Mar. 22	Last day for tests or examinations in courses below 4000 level before the Final Examination period.
Apr. 5	Last day of Fall/Winter and Winter term classes. Last day for handing in term assignments, subject to any earlier course deadline.
Apr. 5	Last day to withdraw from Fall/Winter and Winter term courses (academic purposes only).
Apr. 6	Good Friday – university closed.
Apr. 11-24	Final Examinations.

Addresses:

Department of Philosophy:	3A46 Paterson Hall www.carleton.ca/philosophy
Registrar's Office:	520-2110 300 Tory www.carleton.ca/registrar
Student Academic Success Centre:	520-3500 302 Tory www.carleton.ca/sasc
Paul Menton Centre:	520-7850 500 University Centre www.carleton.ca/pmc
Writing Tutorial Service:	520-6608 4 th Floor, Library www.carleton.ca/wts
MacOdrum Library	520-6632 http://www.library.carleton.ca/ 520-2735