

**PHIL 2001**  
**INTRODUCTION TO LOGIC**

**Term:** Fall 2014

**Meetings:** Mondays and Wednesdays: 1:05-2:25

**Venue:** TBD

**Instructor:** Jordan Dodd

**Office:** 3A64 Paterson Hall

**Office hours:** TBD

**Email:** jordan\_dodd@carleton.ca

**1. Course description**

This course is an introduction to symbolic logic. It examines both formal aspects of logic and philosophical aspects of logic, though the prior is our main focus.

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 Unit 1, we will learn the basics of formal logic by learning a system called *propositional logic*. We will learn how to translate expressions into symbolic form and how to test some arguments for validity.

In Unit 2, we will examine a potential problem with propositional logic. The problem concerns how conditional sentences – e.g., ‘If, then’ sentences – are treated in propositional logic. Unit 2 is our venture into philosophical aspects of logic.

In Unit 3, we will learn a more advanced system of formal logic 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 & 3<sup>rd</sup> (116 3<sup>rd</sup> Avenue). You could pick it up from Octopus yourself, or you could order it from them through their website: [www.octopusbooks.ca](http://www.octopusbooks.ca)

All other readings will be linked to via cuLearn.

## 3. Course Evaluation

There will be three tests and a final exam.

The first two tests will be on Unit 1 (Propositional Logic). Test#1 will be entirely multiple-choice questions. Test#2 will be entirely written answers (in the form of constructing formal proofs).

Test#3 will be on Unit 2 (Conditionals). It will involve a mixture of multiple choice questions and written answers (in the form of paragraph answers).

The exam will be on Unit 3 (Predicate Logic). It will involve a mixture of multiple choice questions and written answers (in the form of constructing formal proofs).

The course evaluation scheme and test dates are:

**Test #1** – 20% - **Monday, October 6<sup>th</sup>**

**Test #2** – 20% - **Wednesday, October 8<sup>th</sup>**

**Test #3** – 20% - **Wednesday, November 5<sup>th</sup>**

**Exam** – 40% - TBD (during the exam period)

## 4. Make-up tests

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

## 5. Academic dishonesty

There will be serious repercussions if I believe that you cheated during any of the tests. I will immediately send an incident report to the Dean's Office, which will determine further action.

## 6. 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.

## **7. Email**

I do generally respond to emails ... but often 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.

## **8. Feedback**

The university asks for your feedback on this course at the end of the semester. That sort of feedback is important. But it doesn't help me change things on the fly – that is, in ways that will help you, as opposed to 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. Either way, feedback is very welcome and encouraged!

## **9. Read the official policies**

Various official Carleton University and Department of Philosophy policies are laid out in the 'University Policies' document that is available in the 'Logistics' folder for this course on cuLearn. You are responsible for knowing all of the material that's presented there. That requirement just follows from being a student in this course.  
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## Department of Philosophy and Carleton University Policies (2014-15)

### **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:
  - 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://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/acadregsuniv14/>)

### **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 your professor 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/>

**Religious obligation:** write to your professor 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/>

**Academic Accommodations for Students with Disabilities:** The **Paul Menton Centre** for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or [pmc@carleton.ca](mailto:pmc@carleton.ca) for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send your **Letter of Accommodation** at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam

requiring accommodation (*if applicable*). After requesting accommodation from PMC, meet with your professor to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (*if applicable*) at <http://www2.carleton.ca/pmc/new-and-current-students/dates-and-deadlines/>

You can visit the Equity Services website to view the policies and to obtain more detailed information on academic accommodation at <http://www2.carleton.ca/equity/>

### **Important Dates:**

Sept. 4	Classes start (after Orientation events).
Sept. 17	Last day for registration and course changes in Fall and Fall/Winter courses.
Sept. 30	Last day for entire fee adjustment when withdrawing from Fall term or two-term courses.
Oct. 13	Thanksgiving Day – university closed.
Oct. 27-31	Fall Break – no classes.
Nov. 24	Last day for tests or examinations in courses below 4000-level before the Final Examination period.
Dec. 8	Last day of classes, Fall term. Last day for handing in term work and the last day that can be specified by a course instructor as a due date for Fall term courses.
Dec. 8	Last day to withdraw from Fall term courses (academic purposes only).
Dec. 9	No classes or examinations take place. Review classes may be held, but no new material may be introduced.
Dec. 10-21	Final examinations for Fall courses, mid-terms for Fall/Winter courses.
Dec. 21	Take-home exams are due.
Jan. 5	Winter term classes begin.
Jan. 16	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. 16-20	Winter Break, classes suspended.
Mar. 24	Last day for tests or examinations in courses below 4000-level before the Final Examination period.
Apr. 8	Last day of Fall/Winter and Winter term classes. Last day for handing in term work and the last day that can be specified by a course instructor as a due date for term work for Fall/Winter and Winter term courses.
Apr. 8	Last day to withdraw from Fall/Winter and Winter term courses (academic purposes only).
Apr. 9-10	No classes or examinations take place. Review classes may be held, but no new material may be introduced.
Apr. 11-23	Final Examinations. Exams are normally held all seven days of the week.
Apr. 23	Take-home exams are due.

### **Addresses:**

Department of Philosophy:	3A35 Paterson Hall <a href="http://www.carleton.ca/philosophy">www.carleton.ca/philosophy</a> 520-2110
Registrar's Office:	300 Tory <a href="http://www.carleton.ca/registrar">www.carleton.ca/registrar</a> 520-3500
Student Academic Success Centre:	302 Tory <a href="http://www.carleton.ca/sasc">www.carleton.ca/sasc</a> 520-7850
Writing Tutorial Service:	4 <sup>th</sup> Floor, Library <a href="http://www1.carleton.ca/sasc/writing-tutorial-service/">http://www1.carleton.ca/sasc/writing-tutorial-service/</a> 520-6632
MacOdrum Library	<a href="http://www.library.carleton.ca/">http://www.library.carleton.ca/</a> 520-2735