

# INTRODUCTION TO LOGIC – PHIL 2001B – Winter 2019

Lectures: Monday: 12:30pm – 2:30PM & 1 hr. tutorials weekly - TBA  
Venue: TBA  
Instructor: Dr. Lucas Jurkovic  
Office: TBA  
Email: lucas.jurkovic@carleton.ca  
Office Hours: Friday 11:00am-Noon  
Course Website: Through registration, you will get access to the cuLearn site for this course. This system will be used for access to course materials, announcements and grades.

## Course Description

An introduction to the techniques and philosophical implications of formal logic with emphasis on translation of expressions into symbolic form, testing for logical correctness, the formulation and application of rules of inference, and the relation between logic and language. Open to first-year students.

## Course Overview

This course will introduce you to the study of symbolic logic. We will discuss (1) the foundations of logic, (2) categorical/syllogistic logic, (3) propositional logic, and (4) predicate logic. Each of these involves the use of symbols to study different forms of valid argumentation.

## Course Materials

*Introduction to Formal Logic: with Philosophical Applications*

by Russel Marcus, Oxford University Press. (Available in the campus bookstore)

Some additional material will be distributed either in class or through culearn.

## Course Requirements

| <u>Evaluation</u>     | <u>Due Date</u>    | <u>Worth</u>             | <u>Notes</u>  |
|-----------------------|--------------------|--------------------------|---|
| Take-Home Assignments | ongoing            | 20%                      | <ul style="list-style-type: none"><li>• These will be either distributed in class or posted to culearn</li><li>• There will be 5-10 assignments</li></ul> |
| Mid-terms (x 2)       | Feb. 11<br>Mar. 18 | 20%<br><u>25%</u><br>45% | <ul style="list-style-type: none"><li>• Mid-terms will be modeled after exercises done in class and as part of the take-home assignments</li></ul>        |
| Final Exam            | T.B.D              | 35%                      | <ul style="list-style-type: none"><li>• The final exam will be cumulative</li></ul>   |

## Course Policies:

- The lecture schedule, and/or the readings assigned may change
  - The lecture schedule will only change either to slow down or speed up the course content depending on students' progress
  - Any changes made to the course will not substantially alter the workload
- With medical documentation, any missed test or assignment can be replaced with a make-up test/assignment

## Lecture Schedule

| <u>Date</u>                                     | <u>Topic</u>                      | <u>Readings</u>   |
|---|-----------------------------------|---|
| Mon. Jan. 7                                     | Introduction to the course        | none  |
| Mon. Jan. 14                                    | Categorical/Syllogistic Logic     | Lecture slides posted to culearn                                  |
| Mon. Jan. 21                                    |                                   |   |
| Mon. Jan. 28                                    | Propositional Logic: Basics       | <u>Chapter 2, Introduction to Formal Logic</u> , by Russel Marcus |
| Mon. Feb. 4                                     | Propositional Logic: Translations |   |
| Mon. Feb. 11                                    | <b>Midterm #1</b>                 |   |
| +=+=+=+=+= Winter Break – No Classes +=+=+=+=+= |                                   |   |
| Mon. Feb. 25                                    | Propositional Logic: Inference    | <u>Chapter 3, Introduction to Formal Logic</u> , by Russel Marcus |
| Mon. Mar. 4                                     | Propositional Logic: Equivalence  |   |
| Mon. Mar. 11                                    | Propositional Logic: Proofs       |   |
| Mon. Mar. 18                                    | <b>Midterm #2</b>                 |   |
| Mon. Mar. 25                                    | Predicate Logic: Basics           | <u>Chapter 4, Introduction to Formal Logic</u> , by Russel Marcus |
| Mon. Apr. 1                                     | Predicate Logic: Translation      |   |
| Mon. Apr. 8                                     | Exam Review                       | none  |

### Department of Philosophy and Carleton University Policies (Winter 2019)

#### 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 on the first page: student name and number; course name and number; instructor's name.
- No assignments will be accepted after the last day for handing in term work – see dates below.
- 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.

#### Evaluation:

Standing in a course is determined by the course instructor subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision. No grades are final until they have been approved by the Dean.

#### Deferrals for Final Exams:

If you miss a final examination (formally scheduled or take-home) because of circumstances beyond your control, you may apply for a deferral. You must apply within 3 working days after the scheduled date of your formally scheduled exam or within 3 working days after the due date of a take-home exam. Visit the Registrar's Office for more information:

<http://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/acadregsuniv2/#2.5>

#### 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.

<https://carleton.ca/registrar/academic-integrity/>

#### Academic Accommodation:

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

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or [pmc@carleton.ca](mailto:pmc@carleton.ca) for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term.

You must also contact the PMC 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 instructor as soon as possible to ensure accommodation arrangements are made. [carleton.ca/pmc](http://carleton.ca/pmc)

**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/>

**Survivors of Sexual Violence:** as a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and its survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: [carleton.ca/sexual-violence-support](http://carleton.ca/sexual-violence-support)

**Accommodation for Student Activities:** Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor 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. <https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

For more information on academic accommodation, please contact the departmental administrator or visit: [students.carleton.ca/course-outline](http://students.carleton.ca/course-outline)

### **Important Dates:**

|            |   |
|------------|---|
| Jan. 7     | Classes begin.  |
| Jan. 18    | Last day for registration and course changes in the winter term.  |
| Jan. 31    | Last day for a full fee adjustment when withdrawing from winter term courses or from the winter portion of two-term courses. Withdrawals after this date will result in a permanent notation of WDN on the official transcript.   |
| Feb. 18    | Statutory holiday. University closed.   |
| Feb. 18-22 | Winter Break – no classes.  |
| Mar. 26    | Last day for summative tests or examinations, or formative tests or examinations totaling more than 15% of the final grade, in winter term or fall/winter courses before the official examination period.   |
| Apr. 9     | Last day of two-term and winter term classes. Last day for academic withdrawal from fall/winter and winter courses. Last day for handing in term work and the last day that can be specified by a course instructor as a due date for two-term and for winter term courses. |
| Apr. 12-27 | Final examinations for winter term and two-term courses. Examinations are normally held all seven days of the week.   |
| Apr. 19-21 | Statutory holiday. University closed. No examinations take place.   |
| Apr. 27    | All take-home examinations are due on this day.   |

### **Addresses:**

|                           |   |
|---------------------------|---|
| Department of Philosophy: | 3A35 Paterson Hall<br><a href="http://www.carleton.ca/philosophy">www.carleton.ca/philosophy</a><br>520-2110  |
| Registrar's Office:       | 300 Tory<br><a href="http://www.carleton.ca/registrar">www.carleton.ca/registrar</a><br>520-3500  |
| Academic Advising Centre: | 302 Tory<br><a href="http://www.carleton.ca/academicadvising">www.carleton.ca/academicadvising</a><br>520-7850  |
| Writing Services:         | 4 <sup>th</sup> Floor, Library<br><a href="http://www.carleton.ca/csas/writing-services/">http://www.carleton.ca/csas/writing-services/</a><br>520-3822 |
| MacOdrum Library          | <a href="http://www.library.carleton.ca/">http://www.library.carleton.ca/</a><br>520-2735   |