Introduction to Logic
Philosophy 201
Fall Semester 2013
This Course is taught Online

Instructor
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The Gateway Transit Village, CAC, Office #544
Office hours: Tuesdays, 11am, Thursdays 3pm

Time & Location
This is an Online-Course. There are no class meetings. Exceptions are the Exams (see below).

Core Curriculum Learning Goal
This course meets the learning goal ‘QR’: “Apply effective and efficient mathematical or other formal processes to reason and to solve problems.”

Aim of the Course
This course introduces the student to symbolic logic, the study of arguments and inferences by means of formal languages. The immediate goal of the course is to learn how to build, evaluate and manipulate sentences of the relevant formal languages. This in turn is meant to foster the student’s ability to identify, evaluate, and produce inferences. The course is designed to familiarize students with formal methods in general and to overcome the natural fear of symbols. Lastly, since this course is taught online, it provides the student with an opportunity to practice autonomous learning.
The Book


Not only do you Need the Book! You also
- Must buy it *asap* from one of the bookstores around campus or any other bookstore
- Must buy a new copy that comes with the associated software and a fresh user-ID
- Must buy the 2nd Edition

Assessment

<table>
<thead>
<tr>
<th>Assessment Type</th>
<th>Percentage</th>
<th>Due</th>
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</thead>
<tbody>
<tr>
<td>Homework</td>
<td>25%</td>
<td>First day of next unit (see schedule below)</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>35%</td>
<td>October 8th (details are TBD)</td>
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<tr>
<td>Final Exam</td>
<td>40%</td>
<td>TBD</td>
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Late Submission Policy

I will not accept late submissions. But I will eliminate the two lowest homework grades. So if you won’t be able to submit your homework once or twice during the semester, this will not be to your disadvantage.

Plagiarism

All work you submit for this course must be your own. Let me emphasize that you will only do well on the exams if you do your homework diligently. Logic is to a large extent a skill (and not a collection of facts that you learn by heart). You need to practice to get good at it. The homework exercises are a way for you to practice the use of the logical concepts that you learn throughout the course. So, don’t have others complete homework for you.

Sakai

We will use Sakai as platform for the course. Make sure you can access the Sakai page. I will send out announcements over Sakai, enter your grades into the gradebook, and distribute additional material. So, once again, make sure that you can access Sakai and that Sakai knows your (active!) email address!
Schedule (subject to change)

The Schedule breaks down into 14 Units of 1 week each. The due-date for submissions of homework-exercises is the first day of the next unit. For instance, the first homework exercises are due on Sep 10th. You will find more detailed information about the material for each unit on Sakai.

Unit 1 (Sep 3rd – Sep 9th): Words, Sentences, and Languages. Introduction and Chapter 1 (1.1 – 1.4)

Unit 2 (Sep 10th – Sep 16th): Arguments and Proofs. Chapter 2 (2.1 – 2.6)

Unit 3 (Sep 7th – Sep 13th): Boolean Connectives. Chapter 3 (3.1 – 3.8)

Unit 4 (Sep 14th – Sep 20th): Truth-Tables and Logical Truths. Chapter 4 (4.1 – 4.4)

Unit 5 (Sep 25th – Oct 1st): Informal Proofs. Chapter 5 (5.1 – 5.3)

Unit 6 (Oct 2nd – Oct 8th): Formal Proofs. Chapter 6 (6.1 – 6.3)

Mid Term Exam: October 8th. Details TBD.

Unit 7 (Oct 9th – Oct 15th): Conditionals I. Chapter 7 (7.1, 7.2)

Unit 8 (Oct 16th – Oct 22nd): Conditionals II. Chapter 8 (8.1, 8.2)

Unit 9 (Oct 23rd – Oct 29th): Introduction to Quantifiers. Chapter 9 (9.1 – 9.6)

Unit 10 (Nov 1st – Nov 7th): Logic of Quantifiers. Chapter 10 (10.1 – 10.3)

Unit 11 (Nov 8th – Nov 14th): Multiple Quantifiers. Chapter 11 (11.1 – 11.5)

Unit 12 (Nov 15th – Nov 21st): Methods of Proof. Chapter 12 (12.1 – 12.4)

Unit 13 (Nov 22nd – Nov 28th): Natural Deduction with Quantifiers. (13.1 – 13.3)

Thanks Giving Recess

Unit 14 (Dec 2nd – Dec 8th) Review and Q&A

Final Exam: TBD