

Introduction to Logic Syllabus

Spring 2017 01:730:201 Section 01
Sat 9-11:55am Room SC-214

Instructor:

Nick Tourville

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Office Hours:

Office Hours: To be determined

My office is # in the Gateway Building (106 Somerset Street).

Overview: This course is an introduction to symbolic logic. We will cover translation, formal semantics, and proof-theory for truth-functional sentential logic and quantified predicate logic. These tools will help you construct and evaluate arguments.

Philosophy 201 satisfies a Cognitive Skills and Processes: Quantitative and Formal Reasoning requirement of the Permanent Core Curriculum.

Core Curriculum Learning Goal: Philosophy 201 meets Goal (a): "Apply effective and efficient mathematical or other formal processes to reason and to solve problems."

Text:

We will be using the free open-source textbook *forallX*, by P.D. Magnus. It is available as a PDF online:

<http://www.fecundity.com/codex/forallx.pdf>

You will need to have access to the text in class, so I recommend you acquire a hard copy. You can print it yourself or purchase an inexpensive paperback version of it here:

<http://www.lulu.com/shop/pd-magnus/forall-x-an-introduction-to-formal-logic/paperback/product-18828702.html>

The text is concise. I highly recommend that you read each section twice: once before we cover the section in class and once afterwards.

Grading:

Final Exam: 25%

Quizzes: 45%

Quiz 1: 15%

Quiz 2: 15%

Quiz 3: 15%

Group Work / Homework: 30%

Preparation: 10%

Success: 10%

Honesty: 10%

The Final Exam is cumulative. Quiz 1 is on Chapters 1-3, Quiz 2 is on Chapters 4-5, and Quiz 3 is on Chapter 6.

There will be seven Homework assignments (problem sets) throughout the semester. You will turn them in, but will not be graded on them. Instead, you will be graded on Group Work that will utilize the Homework assignments. For example, you will be required to present some of your solutions to fellow group members.

There will be grading assignments due a week after each class with official Group Work. You will grade fellow group members based on their Preparation (whether they completed the Homework assignment and came to class ready to participate) and their Success (whether they presented correct answers to the problems they were assigned to present). Your Preparation and Success grades will be based on the grades you received from your fellow group members, though I reserve the right to adjust those grades. Adjustments shouldn't be necessary because (1) the grading rubric will be fairly objective, and (2) you will have a strong incentive to grade fellow group members fairly: your Honesty grade is based on the accuracy of your grading assignments.

I will curve grades, so I don't know what the grade cutoffs will be at this time. I'll announce approximate letter grade cutoffs for the Quizzes to give you a sense of how you're doing in the course.

Attendance:

You are expected to come to class. If you skip a class with official Group Work, you will increase the workload for your fellow group members, and you will receive a zero as your Group Work / Homework score that day.

If your absence is excused and you let me know by email before class starts, your Group Work / Homework score will be determined in a different way. In most cases, you will have a make-up assignment that determines your score.

Schedule:

This schedule is approximate and will almost certainly change throughout the semester.

Date	Sections covered in class	Homework for next class (in addition to reading)
Jan 21	Syllabus, 1.1-1.6	Homework 1
Jan 28	2.1-2.4	Homework 2

Feb 4	3.1-3.4	Homework 3
Feb 11	Review, 4.1-4.3	Study for Quiz 1
Feb 18	Quiz 1, 4.4	
Feb 25	4.5-4.6	Homework 4
Mar 4	5.1-5.5	Homework 5, Study for Quiz 2
Mar 11	No class - Spring break	
Mar 18	No class - Spring break	
Mar 25	Review, Quiz 2	
Apr 1	6.1-6.4	Homework 6
Apr 8	6.5-6.9	Homework 7, Study for Quiz 3
Apr 15	Review, Quiz 3	
Apr 22	Cumulative review	Study for Final Exam
Apr 29	Final Exam	