

PHIL 2203: Logic

Fall 2015

MWF 11:50 a.m. – 12:40 p.m.

Memorial Hall 114

Instructor: Dylan Abney

E-mail: dpabney@uark.edu

Office Hours: MW 9:30 – 11:00 a.m. (or by appointment)

Office Location: Old Main 310

Course Description

This is an introductory course on logic, the study of how to reason correctly. We will start by considering some fundamental questions. How do we reason? What are the various types of inference? What is an argument? What makes an argument bad? After covering some of the basics, we will move on to an introduction to symbolic logic. We will focus mainly on propositional logic, but we will cover some predicate logic, too, if time permits.

Required Textbook

A Concise Introduction to Logic, 12th edition, Patrick J. Hurley (ISBN: 978-1285196541)

Grading

Homework (25%): There will be nine homework assignments. The assignments will be drawn mostly from the textbook and will be assigned in class, usually about a week before the due date. The assignments will be due *in class*; alternatively, if you are unable to make it to class, you may drop off the assignment *before class* in my Philosophy Department mailbox. Late work will not be accepted. I will be grading each assignment on a scale of 1-10, and I will drop your two lowest grades and average the remaining seven.

Exams (75%): There will be three exams, each worth 25% of your total course grade.

Exam 1: October 2nd

Exam 2: November 2nd

Final Exam: December 9th

Attendance and Reading

Attendance is not required but is *strongly encouraged*. The subject matter in this class is cumulative, similar to a mathematics course. This means that continued absences could make this class more difficult than it needs to be.

It is important to read along in the textbook as we make our way through the semester. Usually, at the end of each class, I will suggest which sections to read for the next class. The tentative schedule below gives a rough idea of the parts of the book we will be covering for each class.

Classroom Expectations

Electronics: Laptops are not permitted in class. They're distracting. Cell phone use is also not permitted. If you need to take a call or answer a text, feel free to step outside of the classroom to do so.

If you are unable to attend class on a day that homework is due, please drop off your assignment *before class* in my Philosophy Department mailbox (3rd floor, Old Main). Again, late work will not be accepted.

Make-Up Work

There will be no make-ups for homework assignments. Keep in mind that missing more than two homework assignments can harm your grade significantly. For exams, I will allow make-ups if you notify me more than 24 hours before the exam. Contact me by e-mail and we can work something out. Generally speaking, the only reason I will allow make-ups is for sickness or an emergency. If you wait to contact me until after the exam, you will likely be unable to take it and will receive a zero.

Academic Integrity

For homework, my expectation is that it will be completed *individually*. This means that working on homework with a friend or in a group will be considered cheating. This policy is for your benefit: it will ensure that you get the most out of the assignments.

University Policy: As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail. Each University of Arkansas student is required to be familiar with and abide by the University's 'Academic Integrity Policy', which may be found at <http://provost.uark.edu/>. Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.

Special Accommodations

If you require any special accommodations (e.g., note-taking or a different testing environment), please let me know during the first week. You will also need to register with the Center for Educational Access (cea.uark.edu).

Inclement Weather

Unless I mention otherwise, we will have class if, and only if, the University is open.

Tentative Schedule (subject to change)

Date	Topic	Notes
August 24 th	Introduction	First day.
August 26 th	Chapter 1 - Basic Concepts	
August 28 th	Chapter 1 - Basic Concepts	
August 31 st	Chapter 1 - Basic Concepts	
September 2 nd	Chapter 1 - Basic Concepts	Homework #1 due in class.
September 4 th	Chapter 1 - Basic Concepts	
September 7 th		No class. Labor Day.
September 9 th	Chapter 2 - Language: Meaning and Definition	Homework #2 due in class.
September 11 th	Chapter 2 - Language: Meaning and Definition	
September 14 th	Chapter 2 - Language: Meaning and Definition	
September 16 th	Chapter 2 - Language: Meaning and Definition	
September 18 th	Chapter 3 - Informal Fallacies	Homework #3 due in class.
September 21 st	Chapter 3 - Informal Fallacies	

September 23 rd	Chapter 3 - Informal Fallacies	
September 25 th	Chapter 3 - Informal Fallacies	
September 28 th	Chapter 3 - Informal Fallacies	
September 30 th	Chapter 3 - Informal Fallacies	Homework #4 due in class.
October 2 nd		Exam #1 in class
October 5 th	Chapter 6 - Propositional Logic	
October 7 th	Chapter 6 - Propositional Logic	
October 9 th	Chapter 6 - Propositional Logic	
October 12 th	Chapter 6 - Propositional Logic	
October 14 th	Chapter 6 - Propositional Logic	
October 16 th	Chapter 6 - Propositional Logic	Homework #5 due in class.
October 19 th		No class. Fall Break.
October 21 st	Chapter 6 - Propositional Logic	
October 23 rd	Chapter 6 - Propositional Logic	
October 26 th	Chapter 6 - Propositional Logic	
October 28 th	Chapter 6 - Propositional Logic	
October 30 th	Chapter 6 - Propositional Logic	Homework #6 due in class.
November 2 nd		Exam #2 in class.
November 4 th	Chapter 7 - Natural Deduction in Propositional Logic	
November 6 th	Chapter 7 - Natural Deduction in Propositional Logic	
November 9 th	Chapter 7 - Natural Deduction in Propositional Logic	
November 11 th	Chapter 7 - Natural Deduction in Propositional Logic	
November 13 th	Chapter 7 - Natural Deduction in Propositional Logic	Homework #7 due in class.
November 16 th	Chapter 7 - Natural Deduction in Propositional Logic	
November 18 th	Chapter 7 - Natural Deduction in Propositional Logic	
November 20 th	Chapter 7 - Natural Deduction in Propositional Logic	
November 23 rd	Chapter 7 - Natural Deduction in Propositional Logic	
November 25 th		No class. Thanksgiving.
November 27 th		No class. Thanksgiving.
November 30 th	Chapter 8 - Predicate Logic	Homework #8 due in class.
December 2 nd	Chapter 8 - Predicate Logic	
December 4 th	Chapter 8 - Predicate Logic	
December 7 th	Review	Homework #9 due in class.
December 9 th		Final Exam in class.