

## **Syllabus**

Philosophy 6 Logic in Practice  
Fall 2014

Instructor: Rick Mayock

Required Text: Hurley, Patrick J., *A Concise Introduction to Logic*

Lectures will be delivered in the form of Modules that correspond to relevant sections of the text. Students are responsible for the following material from the text:

### Chapter 1 Basic Concepts

- 1.1 Arguments, Premises and Conclusions
- 1.2 Recognizing Arguments
- 1.3 Deduction and Induction
- 1.4 Validity, Truth, Soundness, Strength, Cogency
- 1.5 Argument Forms: Proving Invalidity

### Chapter 2 Language: Meaning and Definition

- 2.1 Varieties of Meaning
- 2.2 The Intension and Extension of Terms
- 2.3 Definitions and Their Purposes

### Chapter 3 Informal Fallacies

- 3.1 Fallacies in General
- 3.2 Fallacies of Relevance
- 3.3 Fallacies of Weak Induction

### Chapter 4 Categorical Propositions

- 4.1 The Components of Categorical Propositions
- 4.2 Quality, Quantity, and Distribution
- 4.3 Venn Diagrams and the Modern Square of Opposition
- 4.4 Conversion, Obversion and Contraposition

## 4.5 The Traditional Square of Opposition

### Grading Procedure:

Grades will be determined by three exams and several assignments. Each exam will be worth 100 possible points, and the combined assignments will be worth a total of 100 points. The final grade will be determined by the total points earned in the exams and assignments (a possible 400 points).

### Tentative Dates for Exams and Assignments:

Assignment 1 9-17  
Assignment 2 10-1  
Assignment 3 10-8  
Exam 1 10-19  
Assignment 4 10-22  
Assignment 5 10-29  
Assignment 6 11-5  
Assignment 7 11-12  
Exam 2 11-16  
Assignment 8 11-26  
Assignment 9 12-3  
Assignment 10 12-10  
Exam 3 12-22