

Syllabus

Philosophy 6 Logic in Practice
Fall 2015

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 9-16
- Assignment 2 9-30
- Assignment 3 10-7
- Exam 1 10-18
- Assignment 4 10-28
- Assignment 5 11-4
- Assignment 6 11-11
- Assignment 7 11-18
- Exam 2 11-22
- Assignment 8 11-25
- Assignment 9 12-2
- Assignment 10 12-9
- Exam 3 12-20