

INTRODUCTION TO LOGIC - 24735 - PHIL 3200 - R01

TF 11:30 pm - 12:45 pm; Keating Hall 114

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Required Reading:

A Concise Introduction to Logic, 13th Edition, Patrick J. Hurley, Lori Watson
ISBN: 9781305958098

Description: The course introduces logical theory, including propositional logic, quantification theory, Aristotelian logic, inductive logic, and the theory of fallacies, along with the practical training to develop students' skills in applying these theories to the critical evaluation of argumentation.

Learning Objective: The course is designed to help students acquire a clear understanding of the formal logical theories covered in the course, and develop their skills in applying these theories to analyzing and critically evaluating informal arguments.

Requirements: attendance, completion of all assignments, four tests, final exam.
Grading: 4 tests, course assignments (taken together):
10% each (50% altogether); final: 50%.

Schedule:

01/15	<u>Basic Concepts, Some History</u> 1-14
01/18	<u>Recognizing Arguments</u> (theory, practice) 14-33
01/22	Deduction, Probabilistic Arguments 33-44
01/25	Validity, Soundness, Demonstration 44-58
01/29	Argument Forms, Extended Arguments 59-80
02/01	Test #1
02/05	Meaning and Definition 80-122
02/08	Fallacies I (History)
02/12	Fallacies II 122-200
02/15	Categorical Propositions I (History, Square)
02/22	Categorical Propositions II (Distribution, Venn)
02/26	Categorical Syllogisms I (Mood, Figure, Venn)
03/01	Categorical Syllogisms II (Distribution Rules)
03/05	Test #2
03/08	Discussion of test 2
03/12	Propositional Logic
03/15	Natural Deduction I
03/26	Natural Deduction II
03/29	Truth Trees for propositional logic I
04/02	Truth Trees for propositional logic II
04/05	Test #3
04/9	Discussion of test 3
04/12	Monadic Predicate Logic I
04/16	Monadic Predicate Logic II
04/23	Natural Deduction for Monadic PL
04/26	Truth Trees for Monadic PL
04/30	Test #4