

PHI 312 Intermediate Logic

Spring 2013

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Office: 1879 Hall, Room 220. Office hours TBA.

Lectures on Monday, Wednesday, 11:00-11:50am. Precepts TBA.

Required Textbook: Boolos, Burgess, Jeffrey, *Computability and Logic*.

Requirements for receiving a grade: weekly problem sets (70%), take-home final exam (30%)

Preliminary Schedule

W1: Review of the art of logic

W2: Tools for metatheory

W3: Basic model theory

W4: Soundness and Completeness

W5: Soundness and Completeness

W6: Interpolation and Definability

W7: Recursive Functions

W8: Recursive Functions

W9: Peano Arithmetic

W10: Gödel Incompleteness

W11: Gödel Incompleteness

W12: Introduction to Models of PA