

Philosophy 120
SYMBOLIC LOGIC I
Spring 2013
Professor G. Sher

Office Hours: T 3:30-4:30 and by appointment, HSS 8042

Textbook: *The Logic Book* / Bergmann, Moor & Nelson

Prerequisite: Phil. 10 or professor's permission

Grades: 2 Midterms + Final. Grades: Each midterm - 25%, Final - 50%.

Schedule of classes

T 4/2: Introduction to Class

I. Syntax and Symbolization

Th 4/4	Review: Sentential Logic (SL) - Ch.2
T 4/9	Predicate Logic (PL): Syntax (names, predicates, quantifiers) - Ch.7.1-4
Th 4/11	PL: Simple Symbolizations - Ch 7.6-7
T 4/16	PL: Multiple Quantifiers - Ch 7.8
Th 4/18	PLI (PL with Identity): Identity, Definite Descriptions, Etc. - Ch 7.9
T 4/23	Review for MT1
Th 4/25	Midterm Exam 1

II. Semantics

T 4/30	PLI: The Model-Theoretic Method - Ch. 8.1,6, 7
Th 5/2	PLI: Meta-Logical Concepts (L. Truth & Equivalence) - Ch. 8.2-3,6
T 5/7	PLI: Meta-Logical Concepts (L. Consistency & Validity) - Ch. 8.3-4,6
Th 5/9	PLI: Meta-Logical Concepts (general questions)
T 5/14	Review for MT 2
Th 5/16	Midterm Exam 2

III. Proof Theory

T 5/21	Review: SL - The Proof Method. Ch. 5
Th 5/23	PL: The Proof Method - Ch. 10.1,2,3
T 5/28	PLI: Proofs with Identity - Ch. 10.4
Th 5/30	PLI: Meta-Logical Concepts - Ch. 10.2
T 6/4	PL/PLI: Completeness
Th 6/6	Review for Final