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

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  PL: Meta-Logical Concepts - Ch. 10.2
T 6/4  PL/PLI: Completeness
Th 6/6  Review for Final