Philosophy 120
SYMBOLIC LOGIC I
Fall 2014
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**

Th 10/2 Introduction to Class

*I. Syntax and Symbolization*

T 10/7 Review: Sentential Logic (SL) - Ch.2
Th 10/9 Predicate Logic (PL): Syntax (names, predicates, quantifiers) - Ch.7.1-4
T 10/14 PL: Simple Symbolizations - Ch 7.6-7
Th 10/16 PL: Multiple Quantifiers - Ch 7.8
T 10/21 PLI (PL with Identity): Identity, Definite Descriptions, Etc. - Ch 7.9
Th 10/23 Review for MT1
T 10/28 **Midterm Exam 1**

*II. Semantics*

Th 10/30 PLI: The Model-Theoretic Method - Ch. 8.1,6, 7
T 11/4 PLI: Meta-Logical Concepts (L. Truth & Equivalence) - Ch. 8.2-3,6
Th 11/6 PLI: Meta-Logical Concepts (L. Consistency & Validity) - Ch. 8.3-4,6
T 10/11 UNIVERSITY HOLIDAY
Th 11/13 Review for MT 2
T 11/18 **Midterm Exam 2**

*III. Proof Theory*

Th 11/20 Review: SL - The Proof Method. Ch. 5
T 11/25 PL: The Proof Method - Ch. 10.1,2,3
Th 11/27 UNIVERSITY HOLIDAY
T 12/2 PLI: Proofs with Identity - Ch. 10.4
Th 12/4 PLI: Meta-Logical Concepts - Ch. 10.2
T 12/9 PLI: Meta-Logical Concepts - Questions
Th 12/11 Review for Final