

**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