

**Philosophy 120**  
**SYMBOLIC LOGIC I**  
**Fall 2016**  
**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 9/22: Introduction to Class

*I. Syntax and Symbolization*

T 9/27            Review: Sentential Logic (SL) - Ch.2  
Th 9/29            Predicate Logic (PL): Syntax (names, predicates, quantifiers) - Ch.7.1  
T 10/4             PL: Simple Symbolizations - Ch 7.3  
Th 10/6            PL: Multiple Quantifiers - Ch 7.4  
T 10/11            PLI (PL with Identity): Identity, Definite Descriptions, Etc. - Ch 7.5  
Th 10/13           Review for MT1  
T 10/18            **Midterm Exam 1**

*II. Semantics*

Th 10/20          PLI: The Model-Theoretic Method - Ch. 8.1, 6  
T 10/25            PLI: Meta-Logical Concepts (L. Truth & Equivalence) - Ch. 8.2-3, 6  
Th 10/27          PLI: Meta-Logical Concepts (L. Consistency & Validity) - Ch. 8.3-4,6  
T 11/1             PLI: Meta-Logical Concepts (general questions)  
Th 11/3            Review for MT 2  
T 11/8             **Midterm Exam 2**

*III. Proof Theory*

Th 10/10          Review: SL - The Proof Method. Ch. 5  
T 11/15            PL: The Proof Method - Ch. 10.1,3  
Th 11/17          Cont.  
T 11/22            PLI: Proofs with Identity - Ch. 10.4  
Th 11/24          UNIVERSITY HOLIDAY  
T 11/29            PLI: Meta-Logical Concepts - Ch. 10.2  
Th 12/1            Review for Final