

**Philosophy 120**  
**SYMBOLIC LOGIC I**  
**Spring 2014**  
**Professor G. Sher**

Office Hours: M 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***

M 3/31: Introduction to Class

*I. Syntax and Symbolization*

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

*II. Semantics*

M 4/28          PLI: The Model-Theoretic Method - Ch. 8.1,6, 7  
W 4/30          PLI: Meta-Logical Concepts (L. Truth & Equivalence) - Ch. 8.2-3,6  
M 5/5            PLI: Meta-Logical Concepts (L. Consistency & Validity) - Ch. 8.3-4,6  
W 5/7            PLI: Meta-Logical Concepts (general questions)  
M 5/12          Review for MT 2  
W 5/14          **Midterm Exam 2**

*III. Proof Theory*

M 5/19          Review: SL - The Proof Method. Ch. 5  
W 5/21          PL: The Proof Method - Ch. 10.1,2,3  
M 5/26          UNINERSITY HOLIDAY  
W 5/28          PLI: Proofs with Identity - Ch. 10.4  
M 6/2            PLI: Meta-Logical Concepts - Ch. 10.2  
W 6/4            Review for Final