

Print Date: 8/6/14

Course Objectives/Course Outline
Spokane Community College

Course Title: Symbolic Logic
Prefix and Course Number: PHIL& 120

Course Learning Outcomes:

By the end of this course, a student should be able to:

- **Be able to identify, analyze, and evaluate the validity of arguments in propositional and predicate logic**

Course Outline:

- I. Introduction to Deductive Arguments
 - a. Analyzing and Identifying Deductive Arguments
 - b. Evaluating Deductive Arguments for Validity
- II. Sentential (a.k.a. Propositional) Logic
 - a. Translation from Natural Language to Sentential Logic
 - b. Proof Theory in Sentential Logic (e.g. Truth Tables, Natural Deduction, or Truth Trees)
- III. Quantificational (a.k.a. Predicate) Logic
 - a. Translation from Natural Language to Quantificational Logic
 - b. Proof Theory in Quantificational Logic (e.g. Truth-Trees or Natural Deduction)