Administrative Unit: History and Social Sciences Department
Course Prefix and Number: PHIL 210
Course Title: Logic
Number of Credit Hours: 3
Lecture Hours: 3
Laboratory Hours: 0
Catalog Description: Introduction to the principles and methods of formal, symbolic logic. Emphases on derivations for sentence and predicate logic. Occasional offering.

Prerequisite(s)/Corequisite(s): None.

Text(s): Any standard introductory formal logic text. Suggestions are listed below. The instructor may wish to supplement the text with additional readings in any of the areas covered.

Most current editions of the following:


Course Objectives:
• To provide symbolic transcription of arguments.
• To understand the basic rules of deductive inference.
• To provide proofs for deductively valid arguments.

Measurable Learning Outcomes:
• Provide symbolic transcriptions of formalized arguments using sentence (simple) logic notation.
• Construct truth tables for symbolic arguments in sentence logic.
• Use truth tables to test validity of arguments.
• Derive conclusions from deductively valid arguments expressed in sentence logic notation using a minimum of inferential rules.
• Provide symbolic transcriptions of arguments using predicate logic notation.
• Derive conclusions from deductively valid arguments that are expressed in predicate logic notation.

Topical Outline (major areas of coverage):
• Sentence Logic Symbolizing
• Truth Tables
• Derivations
• Predicate Logic Symbolization
• Predicate Logic Derivations

Recommended maximum class size for this course: 30

Library Resources: Online databases are available at http://www.ccis.edu/offices/library/resources.asp. You may
access them from off-campus using your eServices login and password when prompted.

Prepared by:   Mark L. Price

Name ______________________________ Signature ______________________________

Date: March 8, 2006

NOTE: The intention of the master syllabus is to provide an outline of the contents of this course, as specified by the faculty of Columbia College, regardless of who teaches the course, when it is taught or where it is taught. Faculty members teaching this course for Columbia College are expected to facilitate learning pursuant to the course objectives and cover the subjects listed in the topical outline. However, instructors are also encouraged to cover additional topics of interest so long as those topics are relevant to the course’s subject. The master syllabus is, therefore, prescriptive in nature but also allows for a diversity of individual approaches to course material.

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