University of Montana
ScholarWorks at University of Montana

Spring 2-1-2003

PHIL 210.01: Introduction to Logic - Deduction

Richard E. Walton
University of Montana - Missoula

Let us know how access to this document benefits you.

Follow this and additional works at: https://scholarworks.umt.edu/syllabi

Recommended Citation

Walton, Richard E., "PHIL 210.01: Introduction to Logic - Deduction" (2003). *Syllabi*. 9637.
https://scholarworks.umt.edu/syllabi/9637

PHIL 210: Intro. To Logic
Spring 2003
R.E. Walton, Prof.

<div align="center">

SYLLABUS

</div>

Introduction to Logic is a very practical course aimed at improving the student's ability to think clearly, to write well, and to read and listen critically. As a means of achieving these ends the usual subject matter of beginning modern formal logic (often called 'symbolic' or 'mathematical' logic) is covered. However, contrary to common practice in logic courses at this level, this material is embedded in a foundation of elementary set theory. Thus augmented, symbolic logic's structures and techniques are a powerful means of exploring the schemas of reasoning and important aspects of the nature of language.

Listed on the next page are the topics to be covered in the course. Chapters of Irving Copi and Carl Cohen's ***Introduction to Logic*** (11th edn.) are noted where that text will be used. More specific assignments will be given day by day. Almost all assignments will include homework problems. *Much material not included in the textbook, or different from the textbook material, will be introduced.* Students should plan to attend all lectures and take careful notes. (See the _Academic Policies_ statement accompanying this syllabus.)

Assigned homework will only occasionally be collected. Brief quizzes covering the homework assignments will be given once or twice a week throughout the term. These will count 10 to 30 points each, and only the best 90%, or so, of the quiz scores will be considered for the final grade; i.e., you will throw out your lowest quiz, or two. *A missed quiz will ordinarily not be made up.*

There will be two major examinations, *tentatively* scheduled for the dates below. These mid-term examinations will count about 100 points; the final exam will count 150-200 points. All students must take all major examinations when they are administered, unless *prior*, satisfactory arrangements have been made with the instructor. Date and time of the final exam cannot be changed.

Quiz and exam grades will be numerical only, and not be interpreted in the traditional A - F scale. Statistical data for each exam set will often be available; when appropriate, such data will be made available for term point totals. If you wish to know how you are doing in more specific terms than what you can infer from this information, make an appointment to see the instructor. Your final grade will be determined by the position of your term total within the range of the totals for the entire class, as adjusted by the instructor's judgment.

<div align="center">

COURSE   SCHEDULE

</div>

Topic	Ch.Sec.	Week
What is logic? Fundamental Concepts...	1.1-6;11.1-3	I, II
Elementary Set Theory...	none	II, III
Language: Structure and Function...	2.1-4	IV
Definition...	4	IV, V
Sentential Calculus: Functions, Operations, Algorithms...	8	VI

Sentential Calculus: Formal Proofs of Validity...	9.1-4	VII, VIII
Class Logic...	5, 6	IX
Predicate Calculus...	10.1-4	X-XII
Predicate Calculus: Relations	none	XIII
Conclusions: The Uses of Logic; Fallacies, etc...	3	XIV

Examinations

First Mid-Term	Friday, Feb. 28
Second Mid-Term	Friday, April 4
Final	Monday, May 12 8:00-10:00 AM