

PHIL 210 – 01
Roosevelt University
Fall 2011

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Office Hours: Th 2:00-
3:00pm, AUD 560

Introduction to Logic

Section 01– TTh 12:30pm – 1:45pm, AUD 406

Course Description:

Logic is the science of evaluating arguments for analysis and construction. Accordingly, this course will familiarize students with the basic principles of logical construction and practice evaluating arguments through truth tables and propositional logic. The goal of the course will be to demonstrate to the students how the principles of logic are essential to the analysis of language, concepts, and systems that structure our everyday and professional experience

Course Text:

For our course, we will be using Patrick J. Hurley's *A Concise Introduction to Logic*, 11th Edition. (ISBN: 1-111-30545-5). This text is available for purchase from the Roosevelt Bookstore. ***This edition of the text is required.***

You can access an electronic copy of the text here:

http://www.coursesmart.com/9780840034175?__professorview=false&__instructor=3128741

Additional materials and assignments will be posted on the Blackboard website:

<http://blackboard.roosevelt.edu>

Class Structure:

Students who are approaching Logic for the first time typically study with the principles. It is not the case that the rules and structure are particularly difficult. Problems arise because understanding logic requires us to, in many cases, alter the way we approach ordinary language statements. Because of this fact, success in the course requires practice and repetition to master the material. In order to aid this process, the course is organized to encourage independent study and practice so that students develop their own ways of appropriating the material presented in the textbook and lecture.

Class time is divided into homework review and an introduction to the new material. Students are expected to have completed the homework by the beginning of the session. The homework will be reviewed (and corrected) as a class, and students will be expected to actively participate in working through mistakes or problems that arise. It will be turned into the instructor at the end of the session. The day's lecture will be presented on the material listed in the syllabus. Students are expected to have reviewed the day's material prior to the class session in order to ask questions on problematic concepts or have a general idea of where such problems may arise. This is extremely important as students who come without having gone over the day's material

may find themselves lost as the concepts become more complex.

Outside of class, group work and collaboration is encouraged on homework assignments and review. One of the most effective ways of grasping the material is hearing a variety of ways of approaching the rules to determine what manner of thinking about logical principles makes them the most concrete for the student. Students are also encouraged to take advantage of my office hours for any lingering problems or for reviews of the material.

Course Requirements:

- 1) **Daily Homework** – Homework assignments will be given at the end of each class session to be completed for the next class. They will also be posted on the Blackboard course site (<http://blackboard.roosevelt.edu>). Class sessions will begin with review and correction of the homework assignments to answer any remaining questions and to review the principles learned in the previous class. All homework assignments must be handed in for each class session **on the date they are due** in order to pass the course.
- 2) **Exams** – The course material is comprehensive and will be evaluated across 3 exams. The first two exams, comprised of introductory material and basic concepts, will be worth 30% of the total grade. The final exam will consist of material mostly taken from Chapter 7. It will be worth 40% of the total grade.
- 3) **Attendance** - Attendance to class is mandatory. In cases of illness or emergency please notify me of your circumstances prior to your absence so that arrangements can be made for missed assignments. Students can miss class for a religious holiday without penalty, but must inform me of their intentions during the first week of class. Work missed for religious holiday must be made up. ***A Student's grade will be lowered by 1/3 of a letter for every unexcused absence after the first two.*** For an absence to be excused, the student must provide me with sufficient documentation. Late homework will be accepted at the instructor's discretion.
- 4) **Course Readings** – Students are expected to have read the assigned material prior to the course session when it will be presented. The schedule of topics is presented on the last page of the syllabus. The lecture presentations are meant to introduce the material and reinforce key principles on each topic. They are not a substitute for developing one's own comprehension.

Grading: Your exam grade and final course grade will be based upon the following scale:

A 93-100 A- 90-92 B+ 88-89 B 83-87 B- 80-82 C+ 78-79
C 73-77 C- 70-72 D+ 68-69 D 63-67 D- 60-62 F 59 and lower

Final Withdrawl Date: The last day to withdraw from the course without a penalty is **November 1, 2011.**

Course Communication: I will frequently send out review summaries of course material and assignment reminders via email. As per university policy, these communications will be sent to your Roosevelt email addresses. Please be sure to check your account daily and use it for contact with your fellow students.

Technology in the Classroom: Students are asked to turn off cell phones or other telecommunications devices during class time. Students caught texting during class will be counted as absent for the day and asked to leave. Laptops may not be used for note-taking during class time.

Academic Dishonesty: Cheating in the course will not be tolerated and will be punished by a failed exam and/or notification of university officials. For any questions, please see the University Plagiarism Policy, located here: <http://legacy.roosevelt.edu/current/judicial/academic-dishonesty.htm>

ADA policy: If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact the office of Disability Services (DS), a part of the Academic Success Center (ASC) <http://legacy.roosevelt.edu/asc>, AUD 442, Center, 312-341-3818, or SCH 125, 847-619-7978, as early as possible in the term.

Lectures (Review Chapters Prior to Course Session):

Week 1	08/30/11	Introduction to Logic (Ch. 1.1 - 1.2)
	09/1/11	Forms of Arguments (Ch. 1.3)
Week 2	09/6/11	Evaluating Arguments (Ch. 1.4 – 1.5)
	09/8/11	Categorical Propositions (Ch. 4.1 – 4.2)
Week 3	09/13/11	Venn Diagrams and the Modern Square of Opposition (4.3)
	09/15/11	Translating Ordinary Statements to Categorical Form (Ch. 4.7)
Week 4	09/20/11	Translation Practice
	09/22/11	Review for First Exam
Week 5	09/27/11	FIRST EXAM
	09/29/11	Propositional Logic: Symbols and Translation (Ch. 6.1)
Week 6	10/4/11	Truth Functions (Ch. 6.2)
	10/6/11	Truth Tables for Propositions (Ch. 6.3)
Week 7	10/11/11	Truth Tables for Arguments (Ch. 6.4)
	10/13/11	Indirect Truth Tables (Ch. 6.5)
Week 8	10/18/11	Chapter 6 Review
	10/20/11	SECOND EXAM
Week 9	10/25/11	Rules of Implication I (Ch. 7.1)
	10/27/11	Rules of Implication II (Ch. 7.2)
Week 10	11/1/11	Rules of Replacement I (Ch. 7.3)
	11/3/11	Rules of Replacement II (Ch.7.4)
Week 11	11/8/11	Conditional Proof (Ch. 7.5)
	11/10/11	Conditional Proof II
Week 12	11/15/11	Indirect Proof (Ch. 7.6)
	11/17/11	Indirect Proof II
Week 13	11/22/11	THANKSGIVING BREAK
	11/24/11	THANKSGIVING BREAK
Week 14	11/29/11	Proving Tautologies (Ch. 7.7)
	12/1/11	NO CLASS (GROUP ASSIGNMENT)
Week 15	12/6/11	Chapter 7 review
	12/8/11	Final Exam Review
	12/15/11	FINAL EXAM (12:30 pm - 3:00 pm)