

PHIL 1000: Logic 101

Instructor: Mr. Daniel Adsett
Time: 9:00 AM – 9:50 AM
Location: Cudahy Hall 131
Days: Mondays, Wednesdays, and
Fridays
Dates: August 31st – December 12th
Office: Marquette Hall 441
Office Hours: Monday 4:00 PM – 5:30 PM
Wednesday 2:00 PM – 3:30 PM
By Appointment
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Required Text:

Patrick J. Hurley. *A Concise Introduction to Logic*, 12th Edition. United States: Cengage Learning, 2015.
ISBN 10: 1285196546

Description:

This course serves as an introduction to various forms of logical reasoning. We will examine the basic elements of argumentation, propositional logic, informal fallacies, and inductive reasoning. By the end of the course, students should be familiar with the fundamental characteristics of logic – what logic is and is not, logical fallacies, and symbolic logic.

Course Objectives:

1. Knowledge of the distinguishing features of arguments
Means of Assessing: quizzes, first mid-term, exam
2. An ability to work comfortably with propositional logic
Means of Assessing: problem sets, second mid-term, exam
3. An awareness of how both formal and informal logic relate to life experiences
Means of Assessing: quizzes, exam
4. Knowledge of the differences and characteristics of deductive and inductive reasoning
Means of Assessing: quizzes, first mid-term, exam

Grading:

There will be five quizzes, four problem sets, two mid-terms, and one exam. The final grade will be based on these tests, problems sets, and attendance. Beginning after Labor Day, one point will be given for each class attended for a total of 37 points. Students with more than six excused or unexcused absences before 11/20/15 may be withdrawn from the course. Each individual quiz and problem set will be worth 12 points but all 5 quizzes 4 problem sets, taken together, will be graded out of 90 points. Each mid-term will be worth 75 points and the final exam will be worth 125. Quizzes and mid-terms missed for unexcused reasons will not be able to be taken at an alternative time. Problem sets must be handed in during or before class on the days they are due. In all, each student's final grade will be out of 402:

Attendance:	37
Quizzes:	50
Problem Sets:	40
Mid-Term I:	75
Mid-Term II:	75
Final Exam:	125
Total:	402

Grading Scale (Letter Grade/Percentage):

A	94-100	C	70-75
AB	88-93	CD	64-69
B	82-87	D	58-63
BC	76-81	F	0-57

Important Dates:

Mid-Term I: September 25th

Mid-Term II: November 9th

Exam: December 17th, 1:00 PM – 3:00 PM

Attendance Policy:

As already outlined in the **Grading** section, students with more than six excused or unexcused absences before 11/20/15 may be withdrawn from the course. Beginning after Labor Day, one point will be given for each class attended for a total of 37 points. At the instructor's discretion, failure to participate in class and repeated failure to complete homework will count against the attendance grade – losing up to one point per day – but not the possibility of being withdrawn. Quizzes and mid-terms missed for unexcused reasons will not be able to be taken at an alternative time. However, quizzes and mid-terms missed for (1) severe health reasons (more than a cold, flu, or bodily ache), (2) jury duty, or (3) university sanctioned activities and related travel will be able to be taken at an agreed upon time.

Policies for Late Work and Extra Credit:

Late problem sets will not be accepted. If it is impossible, for one reason or another, to attend class the day the problem set is due, students must either (1) submit the problem set early or (2) scan and e-mail the problem set to the professor before class on the day it is due. There will be no make-up work for

students who miss quizzes and/or mid-terms for unexcused reasons. However, each quiz and problem set will be graded out of 12 points for a total of 108 points. Because all quizzes and problem sets taken together will be graded out of 90, students will be able to earn up to 18 additional or extra points that will count toward the final grade.

Policy on Electronic Devices:

Students found using cellphones or computers in class will lose 2 points per class and should not expect to be informed when they lose these points. Students are encouraged to use the digital copy of the textbook at home but not in class. Exceptions can be made for students who, for one reason or another, require electronic devices.

Academic Dishonesty:

The college of Arts and Sciences and department policies on academic dishonesty will be enforced. Students can find the University Honor Code and Academic Integrity Policy here:
<http://bulletin.marquette.edu/undergrad/academicregulations/>

Acts of academic misconduct include but are not limited to:

Cheating

1. Copying from others for an assignment and/or during an examination, test or quiz
2. Obtaining, or attempting to obtain, an assignment, examination, test, quiz, or answer key without authorization
3. Using unauthorized electronic devices or materials for an assignment, during an examination, test or quiz
4. Communicating answers or providing unauthorized assistance for an assignment, examination, test or quiz
5. Using unauthorized answers or assistance for an assignment, examination, test or quiz
6. Offering one's own work to another person, or presenting another person's work as one's own
7. Completing an assignment and/or taking an examination, test or quiz for another student, or having someone complete an assignment, take an examination, test or quiz for oneself
8. Tampering with an assignment, examination, test or quiz after it has been graded, and then returning it for additional credit
9. Outsourcing assignments, papers, examinations, tests, quizzes to fellow students or third parties

Academic Fraud

1. Submitting substantial portions of the same work for credit in more than one course, or from previous institutions, without receiving permission from all instructors involved
2. Using purchased answers or selling answers to assignments, examinations, quizzes or papers

Disability/Special Needs:

Anyone with a confirmed disability or special need should contact me promptly and supply documentation so that appropriate accommodations, if needed, can be provided. The website for the Office of Disability Services is <http://www.marquette.edu/disability-services/> and the office phone number is 414-288-1645.

Schedule:

Date	Topic	Pages	Deadlines
August 31	Introduction	NA	
September 2	Arguments, Premises, and Conclusions	1-13	
4	Recognizing Arguments	14-33	Quiz I
7	Labor Day – No Class		
9	Deduction and Induction/Validity, Truth, Soundness, Strength, Cogency	33-58	
11	Argument Forms: Proving Invalidity/Extended Arguments	59-79	Quiz II
14	Varieties of Meaning	80-95	
16	The Intension and Extension of Terms/Definitions and Their Purposes	96-104	
18	Definitional Techniques/Criteria for Lexical Definitions	104-121	Quiz III
21	Symbols and Translation	316-329	
23	Review	NA	
25	NA	NA	Mid-Term I
28	Truth Functions	330-341	
30	Truth Tables for Propositions	342-350	
October 2	Truth Tables for Arguments	351-357	Problem Set I
5	Indirect Truth Tables	358-367	
7	Argument Forms and Fallacies I	367-385	
9	Argument Forms and Fallacies II	367-385	Problem Set II
12	Rules of Implication I	388-401	
14	Review	NA	
16	Rules of Implication II	401-410	Problem Set III
19	Rules of Replacement I	411-424	
21	Review	NA	
23	Midterm Break – No Class		
26	Rules of Replacement II	424-437	
28	Conditional Proof	437-443	
30	Indirect Proof	443-449	Problem Set IV
November 2	Proving Logical Truths	449-453	
4	Review	NA	
6	Review	NA	
9	NA	NA	Mid-Term II
11	Fallacies in General/Fallacies of Relevance	122-142	
13	Fallacies of Weak Induction	143-160	
16	Fallacies of Presumption, Ambiguity, and Illicit Transference	160-181	
18	Fallacies in Ordinary Language	182-199	

20	The Hypothetical Method/Hypothetical Reasoning: Four Examples from Science	609-618	Quiz IV
23	The Proof of Hypotheses/The Tentative Acceptance of Hypotheses	618-631	
25	Thanksgiving Break – No Class		
27			
30	Causality and Mill's Methods	544-568	
December 2	Review		
4	Review		Quiz V
7	Review – Formal Logic		
9	Review – Informal Fallacies		
11	Overall Review		