

PHIL 1000: Logic 102

Instructor: Mr. Daniel Adsett
Time: 9:00 AM – 9:50 AM
Location: David Straz Hall 456
Days: Mondays, Wednesdays, and
Fridays
Dates: January 19th – May 7th
Office: Marquette Hall 441
Office Hours: Monday 3:00 PM – 4:30 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 on January 29th, one point will be given for each class attended for a total of 38 points. Students with more than six excused or unexcused absences will lose two points for every class missed thereafter. Each quiz will be worth 12 points. Each problem set will be worth 10. All 6 quizzes 4 problem sets, taken together, will be graded out of 100 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 413:

Attendance:	38
Quizzes:	60
Problem Sets:	40
Mid-Term I:	75
Mid-Term II:	75
Final Exam:	125
Total:	413

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: February 19th

Mid-Term II: April 8th

Exam: May 12th, 1:00 PM – 3:00 PM

Attendance Policy:

As already outlined in the **Grading** section, students with more than six excused or unexcused absences will lose two points for every class missed thereafter. Beginning on January 29th, one point will be given for each class attended for a total of 38 points. Failure to participate in class and repeated failure to complete homework will count against the attendance grade – losing up to one additional point per day. 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 will be graded out of 12 points for a total of 72 points. Because all quizzes taken together will be graded out of 60, students will be able to earn up to 12 additional or extra points that will count toward the final grade.

Policy on Electronic Devices:

Students found using computers in class will lose 2 points per class will be informed. 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 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
January 20	Introduction	NA	
22	Arguments, Premises, and Conclusions	1-13	
25	Recognizing Arguments	14-33	
27	Deduction and Induction/Validity, Truth, Soundness, Strength, Cogency	33-58	
29	Argument Forms: Proving Invalidity	59-66	Quiz I
February 1	Symbols and Translation	316-329	
3	Truth Functions	330-341	
5	Review	NA	Quiz II
8	Truth Tables for Propositions	342-350	
10	Review	NA	
12	Truth Tables for Arguments	351-357	Quiz III
15	Review	NA	
17	Review	NA	
19	NA	NA	Mid-Term I
22	Argument Forms and Fallacies	367-385	
24	Rules of Implication I	388-401	
26	Review	NA	Problem Set I
29	Rules of Implication II	401-410	
March 2	Review	NA	
4	Rules of Replacement I	411-424	Problem Set II
7	Review	NA	
9	Rules of Replacement II	424-437	
11	Review	NA	Problem Set III
14	Conditional Proof	437-443	
16	Review	NA	
18	Spring Break		
21			
23			
25			
28			
30			
April 1	Review	NA	Problem Set IV
4	Proving Logical Truths	449-453	
6	Review	NA	
8	NA	NA	Mid-Term II
11	Fallacies in General/Fallacies of Relevance	122-142	
13	Fallacies of Weak Induction	143-160	
15	Fallacies of Presumption, Ambiguity, and Illicit Transference	160-181	Quiz IV
18	Fallacies in Ordinary Language	182-199	

	20	Fallacies in Logical Problems	NA	
	22	The Hypothetical Method/Hypothetical Reasoning: Four Examples from Science	609-618	Quiz V
	25	The Proof of Hypotheses/The Tentative Acceptance of Hypotheses	618-631	
	27	Review	NA	
	29	Review	NA	Quiz VI
May	2	Review – Formal Logic	NA	
	4	Review – Informal Fallacies	NA	
	6	Overall Review	NA	