

PHL 201.01 Introduction to Logic

Spring 2017 MWF 11:30am-12:25pm Morton 200

Professor:Dr. Jeremy FischerOffice:Morton Hall 332AEmail:Jeremy.Fischer@uah.eduOffice Hours:MWF 12:30-1:15,
MTWTh 3:45-4:15, & by appt

Course Description

This course is an introduction to the methodology of formal and informal logic, focusing on the interpretation of artificial formal languages. There are no prerequisites.

Required Texts

R.L. Jackson and M.L. McLeod, *The Logic of Our Language: An Introduction to Symbolic Logic* (Broadview Press, 2015), ISBN 978-1-55481-184-7

A. D. Cling and D. Heikes, *Inductive Validity and Informal Fallacies*, distributed free of charge via Canvas

Evaluation

Four in-class exams (4 x 15% each = 60% of the course grade)
 In-class exams are designed to assess your understanding of course material. They cover material from the text and from class discussion.
 Exam Dates: 2.10, 2.27, 3.22, 4.12

2. <u>Nine Canvas quizzes (9 x 3% each = 27% of the course grade)</u>

Quizzes are designed to assess your understanding of chapter material. They take place on Canvas and consist of multiple choice questions or questions similar to those that appear in the Exercise sets in *The Logic of our Language*. Each quiz opens on Canvas the day it is assigned on the syllabus and closes one week later. Quizzes cover material from the text and from class discussion.

Quiz Dates: 1.18, 1.23, 1.30, 2.3, 2.17, 2.24, 3.3, 3.10, 3.31

3. Essay of Fallacies (13% of the course grade)

You will be required to write an awful and terrible paper for this course on a topic of your choosing. The essay must include instances of several of the fallacies that we will discuss in class, as well a footnote marking each fallacy and explaining what makes it fallacious. The first draft of the essay is due in class on 4.21 and will be worth 3% of the course grade. Class attendance on 4.21 is mandatory. The class period on 4.21 will be devoted to peer review, through which students will help each other to make their papers worse (worth 4% of the course grade). The revised essay is due on Canvas on 4.30 (worth 6% of the course grade).

Grading Scale

A+ ≥ 96%	B+ = 87-89%	C+ = 77-79%	D+ = 67-69%
A = 93-95%	B = 83-86%	C = 73-76%	D = 63-66%
A- = 90-92%	B- = 80-82%	C- = 70-72%	D- = 60-62%

Students on the borderline of two grades will be bumped up <u>only if</u> they have completed all assignments and if the final exam reflects the higher score.

Policy on Late Assignments

Quizzes cannot be taken late, since they are available for one week on Canvas. In-class exams may be taken late only in the event of a personal emergency with acceptable documentation and when the instructor is notified as soon as possible. The Analysis Report will be penalized by five percentage points for each day it is late, except in the event of a personal emergency with acceptable documentation.

Tips for Success

- 1. Attend each class with the assigned text in hand. Please arrive on time to avoid disrupting the class.
- 2. Read assigned texts before we discuss them in class. Be prepared to spend about five hours per week studying outside of class. Lectures and discussions will presuppose that all students have read the relevant texts.
- 3. Discuss any questions you might have about your assignments with me before <u>and</u> after you complete them.

Plagiarism

Instances of suspected plagiarism will be reported to the Director of Student Conduct at UAH for investigation. If an investigation confirms that plagiarism took place, then the assignment will receive a score of zero and the student will be subject to University penalties. The following information summarizes UAH's understanding of plagiarism (from http://libguides.uah.edu/plagiarism):

"Plagiarism - failing to acknowledge our debts to others - is using others' ideas and words without clearly acknowledging the source of that information....

"Give credit whenever you use

- another person's idea, opinion, or theory.
- any facts, statistics, graphs, drawings any pieces of information that are not common knowledge.
- quotations of another person's actual spoken or written words.
- a paraphrase of another person's spoken or written words.

"Common types of plagiarism include

- quoting material from another source without making citation.
- citing only one source while combining materials from several.
- citing fake sources to hide the amount of quoting/paraphrasing or to shortcut finding all the sources used.
- changing the content of sources to make it sound more relevant.

copying the general structure, argument, or techniques of a source without attribution."

Schedule of Readings and Assignments PHL 201

1.9 1.11	Introduction Language Practice Quiz	Chapter 1, pages 11-14 Ch. 1, 14-18
1.13	LOLA Basics & Translation Schemes	Ch. 2, 19-22
1.16 1.18	Martin Luther King, Jr. Day WFFs & 2+-place Predicates Quiz #1 (Ch. 2)	Ch. 2, 21-29
1.20	Existential Quantifier	Ch. 3, 33-41
1.23	Universal Quantifier Quiz #2 (Ch. 3)	Ch. 3, 42-49
1.25 1.27	Negation Operators and Scope	Ch. 4, 51-57 Ch. 4, 57-63
1.30	Conjunction Quiz #3 (Ch. 4)	Ch. 4, 63-68
2.1 2.3	Conditionals Disjunctions Quiz #4 (Ch. 5 & 6)	Ch. 5, 69-74 Ch. 5, 75-79
2.6 2.8 2.10	Biconditionals and Identity More Precise Quantification Exam 1 (Chs. 1-6)	Ch. 6, 87-93 Ch. 6, 93-100
2.13 2.15 2.17	LOLA-Lite Basic Truth Tables More Complex Statements Quiz #5 (Ch. 7)	Ch. 7, 121-125 Ch. 7, 126-134 Ch. 7, 135-150
2.20 2.22 2.24	Trees / Conjunction & Disjunction Trees / Biconditional & Double Negations Open / Closed Branches and Trees Quiz #6 (Ch. 8)	Ch. 8, 153-160 Ch. 8, 161-166 Ch. 8, 166-172
2.27 3.1 3.3	Exam 2 (Chapters 7 & 8) Consistent, Contrary, Contradictory Implication, Equivalence Quiz #7 (Ch. 9)	Ch. 9, 173-179 Ch. 9, 180-185

3.6 3.8 3.10	Contingent, L-True, L-False 3Cs with Quantifiers Implication / Equivalence w/ Quantifiers Quiz #8 (Ch. 10)	Ch. 10, 187-190 Ch. 10, 191-197 Ch. 10, 197-201		
3.13-17 Spring Break				
3.20 3.22 3.24	Review Exam 3 (Chapter 7-10) Arguments & Validity	Ch. 11, 245-252		
3.27 3.29 3.31	Patterns More Patterns Short-Form Tables Quiz #9 (Ch. 11)	Ch. 11, 253-260 Ch. 11, 253-260 Ch. 11, 260-266		
4.3 4.5 4.7	Argument-Analysis Tree Inductive Generalizations and Statistical Syllogisms Authority, Analogy, & Causation	Postscript, 333-339 C & H, 3-7 C & H, 7-13		
4.10 4.12 4.14	Confirmation Exam 4 (Ch. 11 + C & H, 3-17) Fallacies of Ambiguity	С & Н, 13-17 С & Н, 18-26		
4.17 4.19 4.21	Fallacies of Unwarranted Assumption Fallacies of Relevance Essay of Fallacies Due and In-Class Peer Rev	C & H, 27-36 C & H, 36-46 /iew		

Sunday 4.30, 11:59pm: Argument Analysis Review Due