

PHIL 10: Introduction to Logic

John Dougherty

Summer Session I 2017

Lecture:	MW 11:00–12:50, HSS 1128A	
Website:	www.johndougherty.com/phil10	
Discussion:	A01 MW 10:00–10:50, HSS 1128A A02 MW 1:00–1:50, HSS 1128A	TA: Aaron Finley afinley@ucsd.edu Office Hours: by appointment
Email:	jedoughe@ucsd.edu	
Office Hours:	MW 2:00–3:00, HSS 7054	

Course description

This course is an introduction to formal and informal methods of analyzing what counts as good reasoning. The first part of the course is an introduction to the formal analysis of argumentation using sentential logic. We will cover the translation of arguments into formal notation and the analysis of formal arguments using truth tables and proofs. The next part of the course deals with informal problems arguments can have. The final part of the course is a discussion of cognitive biases.

Materials

The text for this course is *Basic Sentential Logic, Informal Fallacies, and Cognitive Biases* by Rick Grush, available at the UC San Diego bookstore. Further resources, including video lectures, pdfs of slides, practice quizzes, and more are available on the [course website](#).

Accessibility

To request accommodations for this course due to a disability, please provide me with a current Authorization for Accommodation (AFA) letter issued by the [Office for Students with Disabilities](#) (OSD), located in University Center 202 behind Center Hall. You should give your AFA letter to me and to Nancy Guerrero in the Philosophy department. Please do so as early as possible so that I can arrange accommodations.

Evaluation

There are 1000 points available in this course. Everyone will begin the course with 10 points. The rest will consist of five in-class quizzes (110 points each) and a final exam (440 points). Each quiz will cover one chapter of *Basic Sentential Logic*, and the final exam will be cumulative: 55 points will be associated with questions about each of the first five chapters and 165 with questions about the sixth chapter.

Letter grades will be assigned at the close of the course. By default letter grades will be assigned based on earned point percentages: 70% or more for a passing grade, at least 80% for a B-, 90% for an A-, and so on. As dictated by the final distribution these percentages might be lowered, but they will not be raised. The following table lists the lowest and highest possible cut-offs for each letter grade.

Letter grade	Lowest cut-off	Highest cut-off	Letter grade	Lowest cut-off	Highest cut-off
A	91.5%	93%	C+	71%	77%
A-	87.5%	90%	C	66.5%	73%
B+	83.5%	87%	C-	62.5%	70%
B	79%	83%	D	50%	60%
B-	75%	80%	F	0%	0%

Late work policy

Quizzes will be taken in class on the days and times listed in the schedule below and will not be given at other times. If you are unable to take one of the quizzes at the scheduled time for whatever reason, at the close of the course your score on that quiz will be taken to be twice the points you earned on the corresponding section of the final exam. If you have a schedule conflict with respect to the final exam, please inform me as early as possible.

Academic integrity

You must observe UC San Diego's [Policy on Integrity of Scholarship](#).

Schedule

In addition to the exercises linked in the schedule, there is a [YouTube channel](#) with video recordings of lectures similar to the course lectures. All of these resources are also linked to on the course website.

MONDAY		WEDNESDAY	
July 3rd Intro Ch. 1 Ch. 1 Exercises	1	5th Ch. 1 Ch. 2 Ch. 1 Exercises Ch. 2 Exercises	2
10th Quiz 1 Ch. 2 Ch. 2 Exercises	3	12th Quiz 2 Ch. 3 Ch. 2 Exercises Ch. 3 Exercises	4
17th Ch. 3 Ch. 4 Ch. 3 Exercises Ch. 4 Exercises	5	19th Quiz 3 Ch. 4 Ch. 4 Exercises	6
24th Quiz 4 Ch. 5 Ch. 4 Exercises Ch. 5 Exercises	7	26th Ch. 5 Ch. 6 Ch. 5 Exercises	8
31st Quiz 5 Ch. 6	9	Aug 2nd Ch. 6	10

Final Exam: August 4th, 11:30-2:29, HSS 1128A