

Philosophy 9—Introduction to Logic
Department of Philosophy
University of California
Summer 2018

Class Meeting Time and Place:

TuTh

09:00AM - 12:30PM

PhysSciences 136

Instructor: Aaron M. Franklin

E-Mail: afrankl1@ucsc.edu

Course Description:

This class will serve as an introduction to symbolic logic, including sentential and predicate logic. Its purpose is to familiarize you with certain formal methods for representing and evaluating arguments and reasoning. These methods can be used not only for philosophy, but for any subject matter. Like mathematics, the methods you will learn are highly abstract, formal and symbolic.

Text: *A Modern Logic Primer*, by Paul Teller. Available ONLINE (with the author's permission) on Canvas (canvas.ucsc.edu).

Grading Scale

The course grade will be based on 1000 total points, distributed as follows:

Participation	100 points
Exam 1	200 points
Exam 2	200 points
Final Exam (Cumulative)	500 points

The course grade will be based on 1000 total points, as follows:

A: 930-1000; A-: 900-929;

B+: 870-899; B: 830-869; B-: 800-829;

C+: 770-799; C: 730-769; C-: 700-729;

D+: 670-699; D: 630-669; D-: 600-629;

F: 0-599.

Additional Course Policies and Notes

STUDENTS WITH DISABILITIES:

If you qualify for classroom accommodations because of a disability, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to me, after class or in office hours, as soon as possible, preferably within the first week of the Quarter. Contact DRC by phone at 831-459-2089 or by email at drc@ucsc.edu for more information.

Religious Holidays

Students who must be absent from class in order to observe religious a holiday must inform the instructor, in writing, about such holidays during the first two weeks of the class each semester. If such holidays occur during the first two weeks of the semester, the student must notify the instructor, in writing, at least three days before the date that he/she will be absent. Students who meet these conditions will not be penalized for their absence, and will be able to make up the work missed.

WARNING Academic misconduct will not be tolerated. Please consult:

<http://www.ucsc.edu/academics/academic-integrity/index.html>

TUTORING:

Learning Support Services (LSS) offers many academic programs to UCSC students. One of these programs is course-specific tutoring that is available to all UCSC students. Students meet in small groups (up to 4 people per group) led by an undergraduate tutor. Students are eligible for up to 2 hours of tutoring per week per course and may sign-up for tutoring at <https://eop.sa.ucsc.edu/OTSS/tutorsignup/>. All of the tutors hired are current UCSC undergraduate students who have previously taken the course, have received a B or better, and have been recommended by a UCSC faculty member in the appropriate academic discipline.

Maintaining a Classroom Learning Environment

Maintaining an environment conducive to classroom learning is necessary for this class to function. Please silence all cell phones and other electronic devices while class is in session. Disruptive behavior, including derogatory or intentionally disrespectful language, will not be tolerated. Classroom participants who are asked modify their behavior and fail to comply will be asked to leave the class.

Class Topics + Sections

1. Topic
 - a. section

(An exam will follow each of the first two class topics)

1. Sentence Logic Basics: **July 31, August 2**
 - a. Syntax--The anatomy of an argument (Volume I, Chapter 1)
 - b. Transcription Between Sentence Logic and English (Volume I, Chapter 2)
 - c. Semantics-- Logical Contradiction and Validity (Volume I, Chapters 3+4)
2. Natural Deduction for Sentence Logic: **August 7, August 9**
 - a. Basics of Deduction (Chapter 5)
 - b. Understanding Derived Rules of Inference and Replacement (Chapter 7)
 - c. More Practice and Strategy for Deduction (Chapter 6)
3. Predicate Logic Basics: **August 14, August 16**
 - a. Introduction and Syntax (Volume II, Chapter 1)
 - b. Semantics and Multiple Quantification (Volume II, Chapters 2+3)
 - c. Transcription Between Predicate Logic and English (Volume II, Chapter 4)
4. Introduction to Natural Deduction for Predicate Logic: **August 21, August 23, August 28**
 - a. Basics of Predicate Logic Deduction (Volume II, Chapter 5)
 - b. More on Natural Deduction for Predicate Logic (Volume II, Chapter 6)

Exam 1: **August 9**

Exam 2: **August 16**

Final Exam: **August 30**