

## Introduction to Logic

- **Class Hours:** Monday and Wednesday 12:00-1:15pm, Room 1818
- **Instructor:** Jonathan Traugott
- **Office Hours:** Monday and Wednesday 6:30-7:30pm, Room 3906
- **Instructor Email:** jtraugott@chabotcollege.edu

**Course Content:** This course is a broad introduction to Logic for students of all majors. Accordingly we will look at logic from the Humanities perspective as well as from that of Mathematics. In its most general sense Logic refers the study of arguments and the laws of reasoning. This course will teach you how to formulate sound arguments and detect flaws in the reasoning of others. In the Mathematical sense Logic refers to a specialized symbolic language with its own vocabulary and grammar. The second part of this course will cover Mathematical Logic and its relationship to Mathematics and Computer Science. Our treatment of Mathematical Logic will include both Propositional Logic and Predicate Logic. We will also briefly study the history of Logic to see how it has evolved over the last 2000 plus years.

**Required Textbook:** *A Concise Introduction to Logic* by Patrick Hurley. ISBN# 0-534-52007-3. Available at the bookstore.

**Course Web Site:** Current course information can be obtained at the following web site: <http://online.chabotcollege.edu/jtraugott>. I will include this syllabus and other important class information. You can print out this material from any computer on the Internet.

**Homework:** Homework will be assigned every Wednesday and due the following Monday. This will count for 1/5<sup>th</sup> of your grade. Late homework will be penalized. 20%. In general the homework assignments will include reading from the textbook.

**Grading:** Grading will be based on the chart below. You should be aware that the class may be time consuming so make sure not to fall behind on the reading and homework. 30% of your grade is based on participation and in class assignments.

<b>Tests</b>	<b>Best 2 of 3 (closed book)</b>	<b>20%</b>
<b>Homework</b>	<b>Weekly</b>	<b>20%</b>
<b>In Class Assignments</b>	<b>6+ (in class)</b>	<b>15%</b>
<b>Participation</b>	<b>Ongoing</b>	<b>15%</b>
<b>Project</b>	<b>Due May 1</b>	<b>15%</b>
<b>Final Exam</b>	<b>May 29, 12-2pm</b>	<b>15%</b>

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>90-100%</b>	<b>80-89%</b>	<b>65-79%</b>	<b>below 65</b>