

Huron Brief Course Outlines

Fall/Winter 2023-2024

Course Title: PHI 2250 Basic Logic

Course Number and Section

PHILOSOPHY

2250 - 550

Instructor Name(s): Glen Koehn

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Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL is the official and authoritative source of information for the course.

Course Description:

A two term study of sentential and predicate logic, the course trains students in the use of procedures and systems (trees, counterexamples, natural deduction, etc.) to determine logical properties and relations.

By studying the syntax and semantics of simple artificial languages, and translating to and from English, students will gain a basic understanding of some metatheoretical concepts including soundness and completeness.

Learning Outcomes:

Through lectures, readings, and exercises, participants will learn how to construct formal systems of propositional and predicate logic. They will be able to prove some metatheorems about such systems, and will understand how to make and evaluate natural deduction and tree proofs for propositional and quantified schemata.

Textbooks and Course Materials:

Formal Logic. By Paul A. Gregory. (Broadview Press, 2017).

Available as a printed copy or etext through www.broadviewpress.com

Methods of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Homework 1	09/25/2023	5%
Quiz 1	09/27/2023	10%
Quiz 2	10/25/2023	10%
Quiz 3	11/22/2023	10%
Homework 2	12/04/2023	5%
Quiz 4	01/24/2024	10%
Homework 3	02/07/2024	5%

Assignment	Due Date mm/dd/yy	Weight - %
Quiz 5	02/14/2024	10%
Quiz 6	03/13/2024	10%
Homework 4	04/03/2024	5%
Final Exam	April Exam Period	30%

Note: the lowest quiz grade worth 10% will be dropped

In solidarity with the Anishinaabe, Haudenosaunee, Luṅaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.