

Course Title: PHI 103 Introduction To Logic

Term: Winter 2023

Instructor: TBA

Course Credit: 3

Mode of Instruction: Online

Course Description:

This course gives a rigorous introduction to the basic concepts of deductive and inductive logic. Basic critical thinking skills will be also covered include logical inferences and fallacies, assessing arguments, scientific reasoning and interpreting research findings. The goal is to improve students' understanding of and thinking critically about psychological principles, theories, and practice.

Course Prerequisites:

N/A

Learning Outcomes:

By the end of the course, the student should be able to:

- A. Gain a basic understanding of scientific reasoning and learn to differentiate genuine and bogus scientific claims;
- B. Apply formal methods to help clarify and assess real-world arguments;
- C. Display facility with the methods of symbolic logic under test conditions;
- D. Use critical thinking skills to examine and solve a number of contemporary issues involving human behavior in real life.
- E. Develop the abilities of writing clearly and communicate effectively.

Course Material:

Irving M. Copi, Carl Cohen, Kenneth McMahon, *Introduction To Logic*, 14th Edition, Pearson, 2016.

Brooke Noel Moore, Richard Parker, *Critical Thinking*, 9th Edition, McGra-Hill Higher Education.

Evaluation:

- 2 Homework [10%]
- 2 Short Essays [20%]
- Final Presentation [15%]
- Mid-term Exam [20%]
- Final Exam [35%]

Description of the Evaluation tasks:

Assignment/ Essay/ ... : During the term, students will be required to finish several evaluation tasks within due date. All the tasks are linked with specific course topics/outcomes and will adequately assess students' competence and learning outcomes. Students are encouraged to meet with instructor about these tasks at any point.

Mid-term/ Final Exams/ Quiz/... : There may be periodic quizzes given at the beginning of lecture sessions; the feedback from these quizzes will monitor the progress of the learners and help to set learning priorities. There will be mid-term exam/ final exam for the course. They are the basic criteria for the evaluation of students' learning outcomes and final grade.

Grading Policy:

Students are supposed to finish each online lecture. Prior to each class, students should finish the required readings. During the class time, students are encouraged to make use of all relevant online course resources and communicate with the instructor. Students' grades are accumulated based on the cumulative evaluations.

Students' letter grade will be assigned according to the following scale:

A+ 90-100	A 85-89	A- 80-84
B+ 77-79	B 73-76	B- 70-72
C+ 67-69	C 63-66	C- 60-62
D+ 57-59	D 53-56	D- 50-52
F < 50		

Academic Integrity:

Students must strictly adhere to the university's academic integrity rule; and all essays, exams and any other form of academic assignments must adhere to these rules. Any form of plagiarism, cheating, or misappropriation of materials will be considered a violation of academic integrity and will be punishable by the university.

Withdrawal from the Course(s):

Students will be able to apply for a transfer or withdrawal within 3 days of the starting date of the course. If a withdrawal is applied for within 3 working days, the tuition fee will be fully refunded. After 3 days, the tuition fee will not be refunded. If a withdrawal is applied for in the first two weeks, it will be recorded as W (Withdraw) on the course transcript. After this initial two-week period, the class will be recorded as F (Fail).

Tentative Schedule:

1	Basic logic concepts
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2	Analyzing Arguments
3	Language and definitions
4	Fallacies Homework 1
5	Syllogisms in ordinary language
6	Complex Argumentative Passage
7	Symbolic logic
8	Analogical reasoning Short Essay 1
9	Problems in Reasoning
10	Causal reasoning
11	Predicate logic
12	Mid-term Exam
13	Using the rules of inference
14	What is Critical Thinking? The Basics: Claims, Issues, and Arguments
15	Deductive Arguments
16	Inductive Arguments Homework 2
17	Recognizing Arguments
18	Two Kinds of Reasoning
19	Clear Thinking, Critical Thinking and Clear Writing
20	The Claim and Its Source Short Essay 2
21	Persuasion Through Rhetoric: Common Devices and Techniques
22	Casual Explanation
23	Moral, Legal and Aesthetic reasoning
24	Final Presentation
25	Final Exam