COURSE DETAIL

ELEMENTARY LOGIC
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Philosophy
UCEAP Course Number 10
UCEAP Course Suffix
UCEAP Official Title ELEMENTARY LOGIC
UCEAP Transcript Title ELEMENTARY LOGIC
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course introduces students to basic ideas and knowledge in formal logic and equips students with a sufficient background for understanding technical arguments containing logical symbols in philosophy literature.

The course consists of three main parts: (1) Propositional logic, its language, semantics and syntax; (2) Predicate Logic, its language, semantics and syntax; and (3) Some relevant background in basic (non-axiomatic) set theory (including some ideas about classes, functions, and relations) and basic three-valued logic. Together with these lectures on formal logic, some basic topics in the philosophy of logic are also introduced, such as propositions, logical connectives, reference and definite descriptions, etc.

Language(s) of Instruction
English

Host Institution Course Number
Phl1008

Host Institution Course Title
ELEMENTARY LOGIC

Host Institution Course Details
https://course.ntu.edu.tw/en/courses/113-1/48744

Host Institution Campus

Host Institution Faculty
College of Liberal Arts

Host Institution Degree

Host Institution Department
Department of Philosophy

Course Last Reviewed
2024-2025

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