

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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