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 Campus

Host Institution Faculty
College of Liberal Arts

Host Institution Degree

Host Institution Department
Department of Philosophy

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