

# COURSE DETAIL

## MODAL LOGIC AND ITS APPLICATIONS

**Country**

China

**Host Institution**

Tsinghua University

**Program(s)**

Tsinghua University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Philosophy

**UCEAP Course Number**

162

**UCEAP Course Suffix****UCEAP Official Title**

MODAL LOGIC AND ITS APPLICATIONS

**UCEAP Transcript Title**

MODEL LOGIC & APPS

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

## Course Description

Among the many fields of modern logic research, modal logic has been deeply applied in many fields from humanities to software design because of its good balance between expressiveness and complexity. In this course, the concepts and methods of modal logic will be introduced with its application in modeling time, knowledge, necessity, and social behavior. In this way, students will be brought into an environment similar to actual research and experience the interaction between different concepts and needs in theory and practice. This course will guide students to become familiar with classic textbooks, manuals, and important articles, and enable students to explore and learn deeper content on their own when they have further interest.

## Language(s) of Instruction

English

## Host Institution Course Number

30690562

## Host Institution Course Title

MODAL LOGIC AND ITS APPLICATIONS

## Host Institution Course Details

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

## Course Last Reviewed

2024-2025

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