

# Modal Logic

## Syllabus

School of Philosophy  
Fudan University

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<http://logic.fudan.edu.cn/courses>



### Instructor

Name Yang, Ruizhi (杨睿之)  
Office 2503, West Guanghai Tower  
Office Hours After class, or by appointment

### Course Information

**Modal Logic**, Spring 2018.

Time 6:30 p.m. – 9:00 p.m., Monday. **Starting from April 2.**

Place TBA

Course Pages <http://logic.fudan.edu.cn/courses>

Prerequisite Mathematical Logic I

### Objective

This course is designed as a contemporary introduction of modal logic. Hopefully, students who are interested in either analytic philosophy or modal logic itself will be benefited from this course.

### Contents

We will introduce some philosophical ideas behind modality and modal logic, the Kripke semantics of modal logic, some techniques for completeness proof, the translation between modal logic and classic logic, and some applications.

### Grading Policy

Classroom test (50%), final exam (50%).

### Textbook and Reference

#### Textbook

van Benthem, Johan. *Modal Logic for Open Minds*, CSLI Publications, 2010.

#### Main references

Blackburn, Patrick, et al. *Modal Logic*, Cambridge University Press, 2001

Garson, James W. *Modal Logic for Philosophers*, Cambridge University Press, 2006