COURSE DETAIL

INTRODUCTION TO THE PHILOSOPHY OF MATHEMATICS
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Philosophy
UCEAP Course Number 120
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO THE PHILOSOPHY OF MATHEMATICS
UCEAP Transcript Title PHIL OF MATHEMATICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course investigates some of the deep and puzzling philosophical issues arising from mathematics. Some are metaphysical and semantic: What is mathematics about? Are there such things as mathematical objects (numbers, functions, sets, etc), and if so, do they exist in the same way as more familiar entities such as tables and chairs? Others are epistemological: How do we obtain mathematical knowledge? Does it arise from pure reason alone, or does the empirical world play a role? Students examine a number of influential views, including logicism, constructivism, platonism, fictionalism, and structuralism. The course requires students to take prerequisites.

Language(s) of Instruction
English

Host Institution Course Number
PH3252

Host Institution Course Title
INTRODUCTION TO THE PHILOSOPHY OF MATHEMATICS

Host Institution Course Details
https://nusmods.com/courses/PH3252/introduction-to-philosophy-of-mathematics

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Philosophy

Course Last Reviewed
2024-2025

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