

COURSE DETAIL

ORDINARY DIFFERENTIAL EQUATIONS

Country

China

Host Institution

Fudan University

Program(s)

Fudan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

124

UCEAP Course Suffix**UCEAP Official Title**

ORDINARY DIFFERENTIAL EQUATIONS

UCEAP Transcript Title

DIFFERENTL EQUATION

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course provides a bridge between mathematics and physics, mechanics, etc., and serves as a foundation for solving practical problems using mathematical tools. Through this course, students master the basic theory of common differential equations, and the application of differential equations in practical problems, including mathematics itself and physics, mechanics, economics, biology, and other fields. Topics include the source of the problem of normal differential equations, the primary solution of simple normal differential equations, the basic theory of differential equations, the structure (and solution) of the linear equation solution of constant coefficients, the theory and solution of linear differential equations, and the qualitative theory of differential equations.

Language(s) of Instruction

Chinese

Host Institution Course Number

MATH130004

Host Institution Course Title

ORDINARY DIFFERENTIAL EQUATIONS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Wei LIN

Host Institution Degree

Host Institution Department

Mathematical Science

Course Last Reviewed

2021-2022

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