COURSE DETAIL

PARTIAL DIFFERENTIAL EQUATIONS
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 122
UCEAP Course Suffix
UCEAP Official Title PARTIAL DIFFERENTIAL EQUATIONS
UCEAP Transcript Title PART DIFFERTL EQUAT
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description
This course introduces the basic properties of partial differential equations (PDE) and the techniques that have proved useful in analyzing them. The following topics are studied: Fourier series, orthogonal expansions, and eigenvalue problems; Sturm-Liouville theory; separation of variables for partial differential equations of mathematical physics, including topics on Bessel functions and Legendre polynomials.

Language(s) of Instruction
English

Host Institution Course Number
MATH4406

Host Institution Course Title
INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2023-2024

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