COURSE DETAIL

NUMERICAL PARTIAL DIFFERENTIAL EQUATIONS
Country Korea, South
Host Institution Yonsei University
Program(s) Yonsei University
UCEAP Course Level Graduate
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 210
UCEAP Course Suffix
UCEAP Official Title NUMERICAL PARTIAL DIFFERENTIAL EQUATIONS
UCEAP Transcript Title DIFFERENTIAL EQUATN
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course focuses on the fundamentals of modern numerical techniques for a wide range of linear and nonlinear elliptic, parabolic and hyperbolic partial differential equations and integral equations central to a wide variety of applications in science, engineering, and other fields. Topics include Mathematical Formulations; Finite Difference Method, Finite Volume Method, Collocation Method, Finite Element Discretization.

Language(s) of Instruction
English

Host Institution Course Number
CSE5840

Host Institution Course Title
NUMERICAL PARTIAL DIFFERENTIAL EQUATIONS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics and Computing

Course Last Reviewed
2023-2024

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