COURSE DETAIL

NUMERICAL METHODS: PRINCIPLES, ALGORITHMS AND APPLICATIONS

Country
China

Host Institution
Peking University, Beijing

Program(s)
Peking University

UCEAP Course Level
Lower Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
40

UCEAP Course Suffix

UCEAP Official Title
NUMERICAL METHODS: PRINCIPLES, ALGORITHMS AND APPLICATIONS

UCEAP Transcript Title
NUMERICAL METHODS

UCEAP Quarter Units
4.50

UCEAP Semester Units

3.00

Course Description

Through software-assisted learning, you will be able to intuitively understand fundamental mathematical concepts such as linear algebra, and delve into advanced topics like the PageRank algorithm, Analytic Hierarchy Process (AHP), function fitting, numerical integration, solution of ordinary differential equations, and machine learning methods.

Language(s) of Instruction
English

Host Institution Course Number
00136540

Host Institution Course Title
NUMERICAL METHODS: PRINCIPLES, ALGORITHMS AND APPLICATIONS

Host Institution Course Details
http://www.dean.pku.edu.cn/service/web/courseDetailEn.php?flag=1&zxjhbh=BZ24252...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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