COURSE DETAIL

NUMERICAL ANALYSIS I
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 109
UCEAP Course Suffix
UCEAP Official Title NUMERICAL ANALYSIS I
UCEAP Transcript Title NUMERICAL ANALYSIS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This is a first course on the theory and applications of numerical approximation techniques. It looks at how in practice mathematically formulated problems are solved using computers, and how computational errors are analyzed and tackled. Major topics covered include computational errors, direct method for systems of linear equations, interpolation and approximation, numerical integration, and use of MATLAB software.

Language(s) of Instruction
English

Host Institution Course Number
MA2213

Host Institution Course Title
NUMERICAL ANALYSIS I

Host Institution Course Details
https://aces01.nus.edu.sg/cors/jsp/report/ModuleDetailedInfo.jsp?acad_y=2011/20...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2022-2023

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