

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

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