COURSE DETAIL

NUMERICAL ANALYSIS 1

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Yonsei University

UCEAP Course Level
Graduate

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
201

UCEAP Course Suffix

UCEAP Official Title
NUMERICAL ANALYSIS 1

UCEAP Transcript Title
NUMERICAL ANALYSIS

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description
This course is designed to acquaint students in mathematical and physical sciences and engineering with the fundamental theory of numerical analysis. This course is devoted to nonlinear equations, optimization, approximation theory, numerical quadrature and numerical linear algebra (including linear systems, least squares problems and eigenvalue problems). The course stresses both on analytic and computational aspects of numerical methods. Prerequisites: Calculus, Linear Algebra, Programming Skills

Language(s) of Instruction
English

Host Institution Course Number
CSE5810

Host Institution Course Title
NUMERICAL ANALYSIS 1

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computational Science and Engineering

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