COURSE DETAIL

ENGINEERING NUMERICAL ANALYSIS
Country Korea, South
Host Institution Yonsei University
Program(s) Yonsei University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mechanical Engineering
UCEAP Course Number 119
UCEAP Course Suffix
UCEAP Official Title ENGINEERING NUMERICAL ANALYSIS
UCEAP Transcript Title ENG NUMRCL ANALYSIS
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course introduces various fundamental algorithms to numerically solve and analyze engineering problems (root finding for non-linear equations, set of linear/non-linear equations, curve fitting, interpolation, Fourier methods, numerical differentiation, numerical integration, ordinary/partial differential equations) using digital computers.

Prerequisite: Students are expected to be familiar with MATLAB.

Language(s) of Instruction
English

Host Institution Course Number
MEU3003

Host Institution Course Title
ENGINEERING NUMERICAL ANALYSIS

Host Institution Course Details
http://ysweb.yonsei.ac.kr:8888/curri120601/curri_pop2.jsp?&hakno=MEU3003&bb=01&...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed
2021-2022

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