

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&s...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

Course Last Reviewed

2021-2022

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