

# 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 Course Details****Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Computational Science and Engineering

**Course Last Reviewed**

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