

COURSE DETAIL

NUMERICAL ANALYSIS- BASIC COURSE

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

122

UCEAP Course Suffix**UCEAP Official Title**

NUMERICAL ANALYSIS- BASIC COURSE

UCEAP Transcript Title

NUMERCL ANLYS BASIC

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course teaches basic computational methods for solving simple and common mathematical problems through computers and numerical software. This includes the construction, application, and analysis of basic computational algorithms. Mathematical models are often written as systems of linear and nonlinear equations and differential equations. Students discretize such equations by constructing computable approximations, and are expected to implement and apply such algorithms independently.

Language(s) of Instruction

English

Host Institution Course Number

NUMA41

Host Institution Course Title

NUMERICAL ANALYSIS- BASIC COURSE

Host Institution Course Details

<https://www.lunduniversity.lu.se/lubas/i-uoh-lu-NUMA41>

Host Institution Campus

Host Institution Faculty

Science

Host Institution Degree

Host Institution Department

Mathematics

Course Last Reviewed

2022-2023

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