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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