COURSE DETAIL

NUMERICAL ANALYSIS: COMPUTATIONAL PROGRAMMING WITH PYTHON
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics Computer Science
UCEAP Course Number 153
UCEAP Course Suffix
UCEAP Official Title NUMERICAL ANALYSIS: COMPUTATIONAL PROGRAMMING WITH PYTHON
UCEAP Transcript Title COMP PROGRAM PYTHON
UCEAP Quarter Units 6.00
UCEAP Semester Units

4.00

Course Description

The course covers elementary programming concepts (arithmetic expressions, for-loops, logical expressions, if-statements, functions and classes) that are closely connected to mathematical/technical problems and examples, as well as mathematical manipulations (setting up matrices, solving linear problems, solving differential equations, finding roots).

Language(s) of Instruction
English

Host Institution Course Number
NUMA01

Host Institution Course Title
NUMERICAL ANALYSIS: COMPUTATIONAL PROGRAMMING WITH PYTHON

Host Institution Course Details
https://www.lunduniversity.lu.se/lubas/i-uoh-lu-numa01

Host Institution Campus
Lund

Host Institution Faculty
Science

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

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