

## COURSE DETAIL

### NUMERICAL ANALYSIS: NUMERICAL METHODS FOR DIFFERENTIAL EQUATIONS

**Country**

Sweden

**Host Institution**

Lund University

**Program(s)**

Lund University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

103

**UCEAP Course Suffix****UCEAP Official Title**

NUMERICAL ANALYSIS: NUMERICAL METHODS FOR DIFFERENTIAL EQUATIONS

**UCEAP Transcript Title**

NUM METHOD/DIFF EQU

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

The course gives an introduction to numerical analysis for differential equations. This includes the construction, analysis, implementation and application of numerical methods for initial value problems, boundary value problems and different types of partial differential equations.

**Language(s) of Instruction**

English

**Host Institution Course Number**

NUMN20

**Host Institution Course Title**

NUMERICAL ANALYSIS: NUMERICAL METHODS FOR DIFFERENTIAL EQUATIONS

**Host Institution Campus****Host Institution Faculty**

Science

**Host Institution Degree****Host Institution Department**

Mathematics

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