

COURSE DETAIL

NONLINEAR DYNAMICAL SYSTEMS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering Mathematics

UCEAP Course Number

117

UCEAP Course Suffix**UCEAP Official Title**

NONLINEAR DYNAMICAL SYSTEMS

UCEAP Transcript Title

NONLINEAR DYN SYSTM

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course gives knowledge of and familiarity with concepts and methods from the theory of dynamical systems which are important in applications within almost all subjects in science and technology. In addition, the course should develop the student's general ability to assimilate and communicate mathematical theory, to express problems from science and technology in mathematical terms and to solve problems using the theory of dynamical systems.

Language(s) of Instruction

English

Host Institution Course Number

FMAN15

Host Institution Course Title

NONLINEAR DYNAMICAL SYSTEMS

Host Institution Course Details

https://kurser.lth.se/lot/course-syllabus/25_26/FMAN15

Host Institution Campus

Lund

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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