

COURSE DETAIL

LASERS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics Engineering

UCEAP Course Number

151

UCEAP Course Suffix**UCEAP Official Title**

LASERS

UCEAP Transcript Title

LASERS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers an in-depth understanding of the physics and principles behind lasers. The course covers the theoretical foundations of beam optics, cavity optics, light-matter interaction, laser amplifiers, and laser systems. Furthermore, the course aims for the student to gain both fundamental knowledge and practical skills necessary to study and apply lasers in scientific and technical contexts.

Language(s) of Instruction

English

Host Institution Course Number

FAFN01

Host Institution Course Title

LASERS

Host Institution Course Details

https://kurser.lth.se/lot/course-syllabus-en/25_26/FAFN01

Host Institution Campus

Lund

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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