

COURSE DETAIL

COMPUTER VISION

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics Engineering Computer Science

UCEAP Course Number

170

UCEAP Course Suffix**UCEAP Official Title**

COMPUTER VISION

UCEAP Transcript Title

COMPUTER VISION

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course gives an overview of the theory and practically useful methods in computer vision, with applications within e.g. vision systems, non-invasive measurements, and augmented reality. The aim is to make the student develop their ability in problem solving, with and without a computer, using mathematical tools taken from many areas of the mathematical sciences, in particular geometry, optimization, mathematical statistics, invariant theory, and transform theory.

Language(s) of Instruction

English

Host Institution Course Number

FMAN85

Host Institution Course Title

COMPUTER VISION

Host Institution Campus

Engineering

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

Engineering- Mathematics

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