

# COURSE DETAIL

## LAB-ON-A-CHIP IN BIOMEDICAL APPLICATIONS

**Country**

Sweden

**Host Institution**

Lund University

**Program(s)**

Lund University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Bioengineering

**UCEAP Course Number**

148

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

LAB-ON-A-CHIP IN BIOMEDICAL APPLICATIONS

**UCEAP Transcript Title**

LAB-ON-CHIP BIOMED

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

This course gives a detailed technical view into miniaturized bioanalysis and highlights some of the lab-on-a-chip technologies that are currently used in clinical medicine and biomedical research. The course covers sample handling and detection principles, which are key areas of interest in fundamental principles for bioanalysis integrated in microfluidic systems. These topics are covered in lectures, lab exercises, and an individual project.

**Language(s) of Instruction**

English

**Host Institution Course Number**

EEMN26

**Host Institution Course Title**

LAB-ON-A-CHIP IN BIOMEDICAL APPLICATIONS

**Host Institution Campus**

Engineering

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

Engineering- Biomedical Engineering

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