

# COURSE DETAIL

## DRUG FORMULATION AND PRODUCTION

**Country**

Sweden

**Host Institution**

Lund University

**Program(s)**

Lund University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Engineering Chemistry Chemical Engineering Biochemistry

**UCEAP Course Number**

106

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

DRUG FORMULATION AND PRODUCTION

**UCEAP Transcript Title**

DRUG FORMULATION

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

The course describes pharmaceutical products and production, with an emphasis on physicochemical and chemical engineering questions. It also describes what happens to the drug product in the living organism when administered through different routes. The course focuses on different pharmaceutical formulations such as solutions, suspensions, emulsions, granulates, tablets, capsules, aerosols, and creams. The course gives an overview of the quality aspects of the pharmaceutical industry, and special requirements on the pharmaceutical industry when it comes to demands from authorities both Swedish and international. The laboratory assignments illustrate important formulation aspects and how to evaluate the quality and physical-chemical properties of the formulation.

### Language(s) of Instruction

English

### Host Institution Course Number

KLGN60

### Host Institution Course Title

DRUG FORMULATION AND PRODUCTION

### Host Institution Campus

### Host Institution Faculty

Engineering

### Host Institution Degree

### Host Institution Department

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