

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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