

# COURSE DETAIL

## DESIGN AND ANALYSIS OF EXPERIMENTS

**Country**

Denmark

**Host Institution**

University of Copenhagen

**Program(s)**

University of Copenhagen

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Statistics Health Sciences

**UCEAP Course Number**

108

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

DESIGN AND ANALYSIS OF EXPERIMENTS

**UCEAP Transcript Title**

DESIGN/EXPERIMENTS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course introduces a general statistical approach to the design of laboratory and similar experiments. It covers how to analyze the resulting data, including statistical quality control, in order to assure accuracy and precision so that reliable and reproducible conclusions can be drawn concerning the relations being studied. Along with the statistical and methodological content of the course, a number of concrete and frequently used pharmaceutical applications (designed experiments) are presented. Examples include clinical trials (including crossover and repeated measures designs), toxicity testing, bio-equivalence analyses, assay validation, and design and analysis of epidemiological surveys.

## Language(s) of Instruction

English

## Host Institution Course Number

SFKBIF102U

## Host Institution Course Title

DESIGN AND ANALYSIS OF EXPERIMENTS

## Host Institution Campus

## Host Institution Faculty

Faculty of Health and Medical Sciences

## Host Institution Degree

Bachelor

## Host Institution Department

Department of Pharmacy

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