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 Course Details
https://kurser.ku.dk/course/sfkbif102u/2021-2022

Host Institution Campus

Host Institution Faculty
Faculty of Health and Medical Sciences

Host Institution Degree
Bachelor

Host Institution Department
Department of Pharmacy

Course Last Reviewed
2021-2022

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