COURSE DETAIL

PATHOPHYSIOLOGY, PHARMACOLOGY, AND DRUG DEVELOPMENT
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 137
UCEAP Course Suffix
UCEAP Official Title PATHOPHYSIOLOGY, PHARMACOLOGY, AND DRUG DEVELOPMENT
UCEAP Transcript Title PHARMCGY DRUG DEVEL
UCEAP Quarter Units 12.00
UCEAP Semester Units 8.00

Course Description

Diseases that integrate physiology, cellular biology, and molecular biology with pathophysiology and pharmacology are central to this course. The course provides a comprehensive perspective on organ system related diseases, their complications, and treatments at the molecular, cellular, and systemic level. The course starts with a focus on basic pathophysiology at the cellular and molecular levels and an introduction to pharmacology with a focus on pharmacodynamics, pharmacokinetics and toxicology. The course covers various aspects such as pathophysiological mechanisms, pharmacological and non-pharmacological interventions, the mechanisms of the impact of drugs at the molecular, cellular and organ level and ethical considerations related to the UN Global Goals from a broad perspective. During the course, different parts of the drug development process are introduced – from the early pre-clinical stages to clinical trials and approval. Pre-req includes BIMB40 Organ Systems and Homeostasis of the Human Body.

Language(s) of Instruction
English

Host Institution Course Number
BIMB43

Host Institution Course Title
PATHOPHYSIOLOGY, PHARMACOLOGY AND DRUG DEVELOPMENT

Host Institution Course Details
https://kursplaner.lu.se/pdf/kurs/en/BIMB43

Host Institution Campus
Lund

Host Institution Faculty
Medicine

Host Institution Degree
Host Institution Department
Course Last Reviewed 2024-2025

Print