COURSE DETAIL

MEDICINAL CHEMISTRY
Country Netherlands
Host Institution Utrecht University – University College Utrecht
Program(s) University College Utrecht
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Health Sciences Chemistry Biochemistry
UCEAP Course Number 120
UCEAP Course Suffix
UCEAP Official Title MEDICINAL CHEMISTRY
UCEAP Transcript Title MEDICINAL CHEMISTRY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Innovative drug research has a drug discovery and a drug development phase. In the drug discovery phase, medicinal chemists make molecules and pharmacologists test these molecules. This course challenges students to think of a medical need, to find a target, to come up with a lead, and optimize this lead towards a drug candidate. While performing this structure-based drug design project, students learn about medicinal chemistry, pharmacology, organic chemistry, biochemistry, and some computational chemistry. Concepts of organic chemistry, biochemistry, pharmacology, and medicinal chemistry that form the foundation of structure-based drug design are taught in a just-in-time fashion.

Language(s) of Instruction
English

Host Institution Course Number
UCSCICHE32

Host Institution Course Title
MEDICINAL CHEMISTRY

Host Institution Course Details
https://cursusplanner.uu.nl/course/UCSCICHE32/2022/SEM2

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree

Host Institution Department
Chemistry

Course Last Reviewed

2021-2022

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