

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 Campus

Host Institution Faculty

Science

Host Institution Degree

Host Institution Department

Chemistry

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