COURSE DETAIL

FUTURE MEDICINES
Country Netherlands
Host Institution Utrecht University
Program(s) Utrecht University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 148
UCEAP Course Suffix
UCEAP Official Title FUTURE MEDICINES
UCEAP Transcript Title FUTURE MEDICINES
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Medicine is trending towards advanced therapy medicinal products (ATMP), which include biomolecules and cells, focusing on disease modification and on personal differences: personalized medicine. But a better understanding of a person’s characteristics or disease characteristics can also be exploited by repurposing of old medicines. This course studies personalized medicine at several levels: Molecular, cellular, organ, organism, and population. The course starts with an individual assignment of a recent first in class medicine and ends with group assignments on future medicines. Course topics include the latest medicines and how they were developed; Drug repurposing; Cell and gene therapy and regenerative medicine; the self; our compatibility gene; and Glycomics and related diseases. Class attendance is monitored during the six weeks of teamwork. Students who do not participate in the presentation and Q&A of their team (which is essentially an exam) or do not meet the attendance requirement do not get a grade. Pr evious knowledge in (bio)chemistry, cell biology, pharmacology, and immunology are required.

Language(s) of Instruction
English

Host Institution Course Number
FA-BA314

Host Institution Course Title
FUTURE MEDICINES

Host Institution Course Details
https://osiris-student.uu.nl/onderwijscatalogus/extern/cursussen

Host Institution Campus
Utrecht University

Host Institution Faculty
Science

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

Print