COURSE DETAIL

BASIC PRINCIPLES OF PHARMACOLOGY

Country
Netherlands

Host Institution
Maastricht University - Center for European Studies

Program(s)
Biological and Life Sciences, Maastricht,Biological and Life Sciences

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences

UCEAP Course Number
145

UCEAP Course Suffix

UCEAP Official Title
BASIC PRINCIPLES OF PHARMACOLOGY

UCEAP Transcript Title
PHARMACOLOGY

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description
The course covers pharmacokinetics (what the body does to a drug) and pharmacodynamics (what a drug does to the body) which describe basic principles that are important for predicting and understanding drug effects in the human body. The course discusses two important (psycho)pharmacological principles of receptors: first, they are organized in multiple subtypes, and second, their interaction with drugs can be defined as agonist, partial antagonist, antagonist, and inverse agonist. The course covers the major principles of signal transduction, in particular in relation to the nervous system. Furthermore, the basic principles of drug metabolism and toxicity are discussed. Finally, the process of drug discovery and development is a topic of interest.

Language(s) of Instruction
English

Host Institution Course Number
INT1002

Host Institution Course Title
BASIC PRINCIPLES OF PHARMACOLOGY

Host Institution Course Details

Host Institution Campus
Maastricht University

Host Institution Faculty

Host Institution Degree

Host Institution Department
Maastricht Science Programme

Course Last Reviewed

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