

# 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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