

# COURSE DETAIL

## INTRODUCTION TO CHEMISTRY

**Country**

Netherlands

**Host Institution**

Utrecht University - University College Utrecht

**Program(s)**

University College Utrecht

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Chemistry

**UCEAP Course Number**

10

**UCEAP Course Suffix****UCEAP Official Title**

INTRODUCTION TO CHEMISTRY

**UCEAP Transcript Title**

INTRO TO CHEMISTRY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

Chemistry describes the composition of matter and its transformations. This introductory course presents an overview of chemistry and lays a foundation by considering its central concepts. The course begins with the quantum world in which the structure of atoms and elements and the role of electrons in chemical bonding are described. Then the energetics associated with chemical processes and chemical equilibria are studied, a discipline called thermodynamics. The course ends with the treatment of some basic organic (i.e., carbon-based) chemical reactions. When possible, attention is paid to the connection of the subject matter with materials science and/or the biochemical relevance.

## Language(s) of Instruction

English

## Host Institution Course Number

UCSCICHE11

## Host Institution Course Title

INTRODUCTION TO CHEMISTRY

## Host Institution Course Details

<https://cursusplanner.uu.nl/course/UCSCICHE11/2017/SEM1>

## Host Institution Campus

University College Utrecht

## Host Institution Faculty

Faculty of Science

## Host Institution Degree

## Host Institution Department

Chemistry

## Course Last Reviewed

2022-2023

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