

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 Campus

University College Utrecht

Host Institution Faculty

Faculty of Science

Host Institution Degree

Host Institution Department

Chemistry

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