

# COURSE DETAIL

## AQUATIC GEOCHEMISTRY

**Country**

Ireland

**Host Institution**

University of Galway

**Program(s)**

University of Galway

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Earth & Space Sciences Chemistry

**UCEAP Course Number**

110

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

AQUATIC GEOCHEMISTRY

**UCEAP Transcript Title**

AQUATC GEOCHEMISTRY

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course introduces students to the quantitative treatment of chemical processes in aquatic systems. It includes a brief review of chemical thermodynamics and photochemistry as it applies to natural waters. Specific topics covered include acid-base chemistry, precipitation-dissolution, coordination, and redox reactions. Emphasis is on equilibrium calculations as a tool for understanding the variables that govern the chemical composition of aquatic systems and the fate of pollutants.

### Language(s) of Instruction

English

### Host Institution Course Number

EOS304

### Host Institution Course Title

AQUATIC GEOCHEMISTRY

### Host Institution Course Details

<https://www.universityofgalway.ie/course-information/module/EOS304>

### Host Institution Campus

### Host Institution Faculty

School of Natural Sciences

### Host Institution Degree

### Host Institution Department

### Course Last Reviewed

2025-2026

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