# COURSE DETAIL

| CHEMICAL PRINCIPLES AND PROCESSES |
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| **Country**<br>New Zealand |
| **Host Institution**<br>University of Canterbury |
| **Program(s)**<br>University of Canterbury |
| **UCEAP Course Level**<br>Lower Division |
| **UCEAP Subject Area(s)**<br>Chemistry |
| **UCEAP Course Number**<br>11 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>CHEMICAL PRINCIPLES AND PROCESSES |
| **UCEAP Transcript Title**<br>CHEM PRIN & PROCESS |
| **UCEAP Quarter Units**<br>6.00 |
| **UCEAP Semester Units**<br>4.00 |

**Course Description**

This course examines topics in physical and inorganic chemistry. It covers atoms and the periodic table; chemical bonding; reduction and oxidation reactions; properties of gases; introduction to thermodynamics; kinetics; chemical equilibrium; Gibbs energy and the second law of thermodynamics; aqueous chemistry; acid-base equilibrium.

**Language(s) of Instruction**
English

**Host Institution Course Number**
CHEM111

**Host Institution Course Title**
CHEMICAL PRINCIPLES AND PROCESSES

**Host Institution Course Details**

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**

**Course Last Reviewed**
2023-2024

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