

COURSE DETAIL

NUCLEAR CHEMICAL ENGINEERING

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Chemical Engineering

UCEAP Course Number

146

UCEAP Course Suffix**UCEAP Official Title**

NUCLEAR CHEMICAL ENGINEERING

UCEAP Transcript Title

NUCLEAR CHEM ENGR

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course studies the basic chemical engineering techniques in nuclear processing including ion exchange, liquid-liquid extraction, radiation, and reactor coolant chemistry. Course applications include fuel production, fuel processing, and waste management. This course presents information on chemical and chemical engineering aspects of nuclear power, including fuel manufacture, radiation chemistry, reactor coolant chemistry, fuel reprocessing, and waste disposal.

Language(s) of Instruction

English

Host Institution Course Number

CENG97031

Host Institution Course Title

NUCLEAR CHEMICAL ENGINEERING

Host Institution Course Details**Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Chemical Engineering

Course Last Reviewed

2024-2025

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