

COURSE DETAIL

WATER TREATMENT

Country

South Africa

Host Institution

University of Cape Town

Program(s)

University of Cape Town

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

105

UCEAP Course Suffix**UCEAP Official Title**

WATER TREATMENT

UCEAP Transcript Title

WATER TREATMENT

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

In this course, students study unit operations needed in a water treatment plant. The course is heavy on chemistry in order to understand alkalinity, acidity, chemical equilibrium, mass balance, titration curves, buffering, and pH of strong and weak acid and base systems. Students examine the South Africa water resources with high calcium, high alkalinity inland water, and low calcium, low alkalinity coastal water towards the end of the semester.

Language(s) of Instruction

English

Host Institution Course Number

CIV3046S

Host Institution Course Title

WATER TREATMENT

Host Institution Campus

Engineering

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Engineering

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