

COURSE DETAIL

ANALYSIS OF ENVIRONMENTAL MATERIALS

Country

Ireland

Host Institution

University College Dublin

Program(s)

University College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies Biological Sciences

UCEAP Course Number

144

UCEAP Course Suffix**UCEAP Official Title**

ANALYSIS OF ENVIRONMENTAL MATERIALS

UCEAP Transcript Title

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UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

In this course, students are presented with a case study dealing with surface water that is suspected of being polluted. They are instructed in the composition of various environmental media, the nature of potential pollutants and guided through the selection of the media that need to be analyzed to identify the contaminants, sampling locations and the appropriate chemical analyses to address the problem posed. They then organize the collection of the relevant media (soil, water, etc.) and are trained in their chemical analyses in the Environmental Chemistry Laboratory, School of Biology & Environmental Science. The results generated are analyzed with respect to available thresholds/regulations for the various contaminants and students write a report on the full investigation process.

Language(s) of Instruction

English

Host Institution Course Number

ENVB30140

Host Institution Course Title

ANALYSIS OF ENVIRONMENTAL MATERIALS

Host Institution Campus

University College Dublin

Host Institution Faculty

Biology and Environmental Science

Host Institution Degree

Host Institution Department

Environmental Science

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