

COURSE DETAIL

ANALYSIS IN ECOTOXICOLOGY

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

ANALYSIS IN ECOTOXICOLOGY

UCEAP Transcript Title

ANALYSIS ECOTOXICOL

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course focuses on how the two main classes of contaminants, inorganic and organic, are harmful to ecosystems at each level of biological hierarchy: molecular, cellular, tissue, organ, individual, population, community, ecosystem, and global. Major concepts include bioaccumulation, trophic transfer, biomagnification, biotransformation, detoxification, elimination, bioavailability, and toxicant effects. Text: Michael C. Newman "FUNDAMENTALS OF ECOTOXICOLOGY" Assessment: Attendance (10%), Participation (10%), Midterm (40%), Final (40%). Prerequisites: Biology and Chemistry

Language(s) of Instruction

English

Host Institution Course Number

BIO3714

Host Institution Course Title

ANALYSIS IN ECOTOXICOLOGY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biology

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