

COURSE DETAIL

PRINCIPLES OF TOXICOLOGY

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

143

UCEAP Course Suffix**UCEAP Official Title**

PRINCIPLES OF TOXICOLOGY

UCEAP Transcript Title

PRIN OF TOXICOLOGY

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines the methods used in assessing the toxicity of food contaminants, and to develop their confidence in the handling and interpretation of toxicological data. It covers the basic concepts behind toxicological evaluation, and the criteria for setting guidance values for dietary and nondietary exposure to chemicals, as well as the role of biochemical, metabolic and toxicokinetic studies in toxicological evaluation. Topics include a discussion on exposure and entry routes, fates of toxic substances in the body (toxicokinetics), concepts in experimental toxicology, the dose response relationship, actions of toxic substances, target organ effects, the actions and types of carcinogens. A survey of the health effects of common classes of toxic substances is also presented.

Language(s) of Instruction

English

Host Institution Course Number

BIOL 3207

Host Institution Course Title

PRINCIPLES OF TOXICOLOGY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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