

# 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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