

# COURSE DETAIL

IMMUNOLOGY	
<b>Country</b>	Hong Kong
<b>Host Institution</b>	University of Hong Kong
<b>Program(s)</b>	University of Hong Kong
<b>UCEAP Course Level</b>	Upper Division
<b>UCEAP Subject Area(s)</b>	Biological Sciences
<b>UCEAP Course Number</b>	123
<b>UCEAP Course Suffix</b>	
<b>UCEAP Official Title</b>	IMMUNOLOGY
<b>UCEAP Transcript Title</b>	IMMUNOLOGY
<b>UCEAP Quarter Units</b>	5.00
<b>UCEAP Semester Units</b>	3.30

## Course Description

This course studies animal immune systems and the application of a variety of immunological methods to research and diagnosing diseases. Topics include: immunological functions in vertebrates and analogous activities in invertebrates; structures and biological properties of immunoglobulins and T-cell receptors; divergence of antibody genes; emergence and characteristics of lymphoid tissues; major histocompatibility complex; complement pathways; immunity against bacteria, viruses, and parasites; AIDS: vaccinations, hypersensitivity, and autoimmunity; and immunological tests and immunochemical techniques using non-mammalian and mammalian antibodies and their application to various biological problems.

### Language(s) of Instruction

English

### Host Institution Course Number

BIOL3403

### Host Institution Course Title

IMMUNOLOGY

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Biological Sciences

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