COURSE DETAIL

MEDICAL MICROBIOLOGY AND APPLIED IMMUNOLOGY
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 160
UCEAP Course Suffix
UCEAP Official Title MEDICAL MICROBIOLOGY AND APPLIED IMMUNOLOGY
UCEAP Transcript Title MICROBIO & IMMUNLGY
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course examines the practical applications of immunology and microbiology in biological research, clinical analysis and disease diagnosis. It covers application of antigen-antibody interaction in advanced research such as chromation; immunoprecipation assay, co-immunoprecipitation and dual immunofluorescence analysis; principles of flow cytometry and its application; tumor immunology and immunotherapy such as FDA-approved checkpoint inhibitor immunotherapy and chimeric antigen receptor (CAR) T-cell therapy; microbial pathogens and associated diseases, host immune response, antimicrobial agents and multidrug resistance, epidemiology and prevention of microbial infections; and clinical laboratory analysis in haematology, chemical pathology, and clinical microbiology.

Language(s) of Instruction
English

Host Institution Course Number
BIOL 4401

Host Institution Course Title
MEDICAL MICROBIOLOGY AND APPLIED IMMUNOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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