

COURSE DETAIL

APPLIED IMMUNOLOGY

Country

Korea, South

Host Institution

Korea University

Program(s)

Korea University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Health Sciences Biological Sciences

UCEAP Course Number

161

UCEAP Course Suffix**UCEAP Official Title**

APPLIED IMMUNOLOGY

UCEAP Transcript Title

APPLIED IMMUNOLOGY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

Human immunity plays an important role in biological defense and the control of various diseases, and this course covers the specific role and function of immune cells. In addition, this course covers the application principles of vaccine development, cancer treatment, and organ transplantation using immunomodulation. In addition, various experimental techniques that are essential in immunology are introduced to promote a broad understanding of applied immunology.

Topics include Immunological strategies against various infections, Infectious diseases: pathological response and therapeutic options, Vaccine development and practical applications, Immunodeficiency diseases, Hypersensitive responses/allergy, Atopic diseases and practical application, Transplantation and adaptive immunity, Technical advancement in transplantation, Tumor immunology, Immunotherapy for cancer, Autoimmunity and autoimmune diseases.

Language(s) of Instruction

English

Host Institution Course Number

LIBS449

Host Institution Course Title

APPLIED IMMUNOLOGY

Host Institution Course Details

<https://sugang.korea.ac.kr/>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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