

COURSE DETAIL

HUMAN METABOLIC PHYSIOLOGY

Country

Korea, South

Host Institution

Korea University

Program(s)

Korea University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

166

UCEAP Course Suffix**UCEAP Official Title**

HUMAN METABOLIC PHYSIOLOGY

UCEAP Transcript Title

HUMN METABOLIC PHYS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces basic metabolic knowledge at the cellular level to understand the organic metabolic physiology of the human body and focuses on changes in metabolic pathways in various physiological situations. In addition, the course introduces the latest research trends and related analysis techniques for various pathological metabolic pathway imbalances that are pointed out as the core pathogenesis of modern chronic diseases.

Topics include Introduction to metabolism, Glycolysis, Mitochondria, NADPH-The forgotten reducing equivalent, Carbohydrates, Lipids, Amino acids, Nucleotides, Signaling and metabolism, Metabolism of proliferating cells, Future pathways of metabolism research, Analyzing metabolism in biological systems.

Language(s) of Instruction

English

Host Institution Course Number

LIBT379

Host Institution Course Title

HUMAN METABOLIC PHYSIOLOGY

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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