

COURSE DETAIL

METABOLISM AND REGULATION

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences Biochemistry

UCEAP Course Number

121

UCEAP Course Suffix**UCEAP Official Title**

METABOLISM AND REGULATION

UCEAP Transcript Title

METABOLISM®ULATN

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is an overview of the biosynthesis and catabolism of carbohydrates, proteins, nucleic acids, and lipids in the context of human health and disease. Emphasis is on the integration and regulation of metabolic pathways in different tissues and organs. It covers principles of bioenergetics and mitochondrial energy metabolism, free radicals, mitochondrial DNA damage in aging, and neurodegenerative diseases.

Language(s) of Instruction

English

Host Institution Course Number

LSM3210

Host Institution Course Title

METABOLISM AND REGULATION

Host Institution Course Details**Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Biochemistry

Course Last Reviewed

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