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&REGULATN
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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