



# [Gifted Programme]

# E2BTE002C

(Token- required)

# Biotechnology Course (Level II): Nutrition – Take "Eat" Easy

# Dr LEUNG Ho Man Homan



# **Intended Learning Outcomes**

Result Release 27 Jun 2025

Upon completion of the gifted programme, gifted students should be able to:

- 1. Describe the basic physiology of cell and metabolic processes.
- 2. Create nutritional plans and lifestyle modifications for optimal health at different life stages, or for specific outcomes.
- 3. Analyse scientific data and scientific literature about health claims of diet plans, foods and supplements promoted by commercial enterprises and media.
- 4. Apply scientific methods in nutritional science to daily life.
- 5. Develop collaboration skills via group experiments and discussions.

#### Gifted Programme Introduction

This course provides students fundamental understanding of how macronutrients and micronutrients work at the cellular, tissue and organ levels in human body. Students will learn how important nutritional and dietary needs help to maintain a healthy body functioning and basal metabolism. Students will also carry out hands-on experiments, e.g., calorie estimation in foodstuff, qualitative analysis of glucose content in fruit, determination of trans-fat in fried food, etc. The course will equip students with knowledge and skills to create nutritional plans and lifestyle modifications for optimal health.

# Schedule

Session	Date	Time	Venue
1	11 Aug	9:30 a.m. – 12:30 p.m.	Tai Po / Shatin (To be confirmed)
2		2:00 p.m. – 5:00 p.m.	Tai Po / Shatin (To be confirmed)
3	13 Aug	9:30 a.m. – 12:30 p.m.	Tai Po / Shatin (To be confirmed)
4		2:00 p.m. – 5:00 p.m.	Tai Po / Shatin (To be confirmed)
5	15 Aug	9:30 a.m. – 12:30 p.m.	Tai Po / Shatin (To be confirmed)
6		2:00 p.m. – 5:00 p.m.	Tai Po / Shatin (To be confirmed)



- S1 to S3 HKAGE student members in 2024/25 school year
- Class size: 30

## Pre-requisite

No special prerequisites are needed

## Medium of Instruction

**English with English Handouts** 



Please answer the screening questions in the online application form.

\*The screening questions are designed to help the applicant understands the course level and the course content. The questions must be answered by the student applicant and it can only be attempted once. The answers cannot be changed once the application is submitted. Selection is based on students' performance in answering the questions. Only students who can demonstrate motivation and knowledge of biotechnology in the screening questions can be enrolled in the programme.

#### Certificate

E-Certificate will be awarded to gifted students who have:

- attended at least 5 sessions: and
- completed all the assignments with satisfactory performance.



