香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education

Biotechnology I (TECS2601)

Introduction	This course will be divided into 3 major topics including neuroscience, microbiology and molecular biology. You will learn the working principles and applications of introduced techniques such as aseptic technique, DNA extraction, PCR, DNA electrophoresis and histological staining. At the end of the course, you can correlate the biotechnology knowledge with your daily life.
Programme Type / Level	Intermediate Course in Biotechnology (Token-required)
Instructor(s)	Dr. YUE Ying Kit, Hong Kong Baptist University
Target Participants	➢ S4 – S6 HKAGE student members ➢ Class size: 30
Medium of Instruction	English
Certificate	**Certificate** will be awarded to participants who have: ❖ Attending **at least 7 sessions** ❖ Completed all the assignments with satisfactory performance
Intended Learning Outcomes	Upon completion of the programme, participants should be able to: 1. explore the working principles, settings and applications of Polymerase Chain Reaction and Electrophoresis in Biotechnology; 2. analyse the bacterial contaminants in food by applying the procedures for bacterial culturing and the involved aseptic techniques; 3. research the factors and conditions that affect the expression and yield of various biotechnology products by synthesising knowledge and skills learnt in the course.
Screening	Please answer the screening question in the online application form. *The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question.

Application Deadline **7 July, 2014** **Application Result Release Date** **11 July, 2014**

HKAGE student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.

Schedule

Session	Date	Time	Venue
1	5 Aug	9:00 a.m. – 1:00 p.m. 2:00 p.m. – 6:00 p.m.	HKBU
2			
3	6 Aug		
4			
5	7 Aug		
6			
7	8 Aug	10:00 a.m. – 1:00 p.m.	
8		2:00 p.m. – 5:00 p.m.	

Enquiries For enquiries, please contact us at 3940 0184 or 3940 0102.