

THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 1: Basic Scheme

Interim Report (2016-17)

Report due 31 October 2017.

Please return by email to mmcd@cuhk.edu.hk

PART I

Project title: Breaking down the barrier: Using micro-modules to establish a conceptual framework for learning immunology

Principal supervisor: Dr. PANG Kok Shuen Iris

Department / Unit: School of Life Sciences

Project duration: From May 2017 to April 2018

Date report submitted: 30th October 2017

1. Project objectives

The original objectives of the project remain unchanged. The overall scheme is to produce micromodules that introduce students taking the upper-class undergraduate course, BCHE4060 Basic and Applied Immunology, to fundamental concepts in immunology. Basic immunological concepts are delivered online to make way for more engaging and intellectual stimulating course content during face-to-face lecture time.

2. Progress on process, outcomes or deliverables

The project is on time for completion. As stated in the initial proposal, 4 micromodules have been made by October 2017, and two uploaded to course website on Blackboard. Micromodules were made with help from the CUHK ELITE center and by using the Camtasia's video editor. The length of each micromodule is longer than expected (15 minutes each) in order to cover enough course content to free up time for in-class activities and discussion to be in line with a semi-flipped classroom approach (i.e. part of the course materials moved to online video platform).

Micromodules were uploaded to the Panopto video platform linked to the CU Blackboard elearning system for easy access by students. Supplementary questions were designed and uploaded to CU Blackboard to complement the micromodules and to consolidate students' knowledge of the content covered in the micromodules. These supplementary questions were further discussed during lecture times.

3. Evaluation Plan

Evaluation is ongoing as we have only gone through half of the course currently offered in Term 1. Based on the access statistic on Blackboard, more than half of the students enrolled are able to finish the micromodules before face-to-face class activity begins. Informal discussions with current

students were held, and some welcomed the flexibility of accessing the micromodules and reviewing the course content before and after in-class activity and discussion. Student's feedback on the micromodules and this novel teaching approach will be obtained through in-house evaluation surveys at the end of the course.

4. Dissemination Activities (reports, websites, video links, products, *etc.*)

Panopto video platform linked to the CUHK's Blackboard eLearning website for BCHE4060 (Basic and Applied Immunology)

<https://panopto.cuhk.edu.hk/Panopto/Pages/Viewer.aspx?id=f8d9ec86-427b-4429-8af4-b4dfbc35c0a9>

<https://panopto.cuhk.edu.hk/Panopto/Pages/Viewer.aspx?id=9431fa75-75fc-491f-ba71-9f5f973f2908>