

THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 1: Basic Scheme

Interim Report (2015-16)

Report due 30 June 2016.

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

PART I

Project title: **Bitesize Learning Series: A Physiological Interpretation of Important Blood Gas Equations (Phase 1)**

Principal supervisor: **Dr Isabel Hwang**

Department / Unit: **Teaching and Learning Unit, School of Biomedical Sciences, Faculty of Medicine**

Project duration: From January 2016 to December 2016

Date report submitted: **28 June 2016**

1. Project objectives

In this project, we aim to produce a series of short videos to help reinforce students' understanding of several important gas equations taught in the lectures. The videos will present multiple clinically based scenarios to reflect the application of the corresponding equations in real life.

The project is on track to meet its objectives. The objectives have not been changed as a result of the experience of working on our micromodule project.

2. Progress on process, outcomes or deliverables

3 videos have been made so far. Each video contains information about the importance of the selected equation, followed by case scenarios that help student to apply the equation in reality. We did not encounter any major obstacles in this project and we are confident that the remaining tasks can be completed on time.

Video 1: <http://facs.med.cuhk.edu.hk/site/2016/micromodule/BGE1/story.html>

Video 2: <http://facs.med.cuhk.edu.hk/site/2016/micromodule/BGE2/story.html>

Video 3: <http://facs.med.cuhk.edu.hk/site/2016/micromodule/BGE3/story.html>

3. Evaluation Plan

As indicated in the application proposal, we anticipate that not all students in this course will be too enthusiastic to actively evaluate each video as year 3 is a competitive study year for medicine. Therefore, we plan to adopt the following strategies to evaluate the usefulness and effectiveness of this project.

- An online survey for all videos.
- Access rate obtained through Blackboard (we will release the download link in Blackboard).
- Two or three open-ended questions will be added to the course evaluation form for collection of feedback.
- Individual group interviews will be arranged after the year-3 exam period, e.g. during the summer time.

We shall conduct the above when the course begins in September 2016.

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

Video 1: <http://facs.med.cuhk.edu.hk/site/2016/micromodule/BGE1/story.html>

Video 2: <http://facs.med.cuhk.edu.hk/site/2016/micromodule/BGE2/story.html>

Video 3: <http://facs.med.cuhk.edu.hk/site/2016/micromodule/BGE3/story.html>