

THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 3: eLearning Pedagogy Research

Interim Report (2015-16)

Report due 31 July 2016

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

PART 1

Project title: Examining the Effectiveness of “The Flipped Classroom” in Teacher Education Profession

Principal supervisor: Professor Ha Sau Ching Amy

Department/ Unit: Sports Science and Physical Education, Faculty of Education

Project duration: From February 2016 to January 2017

Date report submitted:

1. Project objectives

This project aims to (1) encourage student involvement and enhance knowledge retention and application by adopting a flipped classroom approach, (2) assess the quality and effectiveness of flipped classroom by measuring students’ learning outcomes and (3) provide a foundation and framework to develop flipped classroom teaching materials as well as assessment tools.

The project is on track to meet its objectives, which remain the same as the project progresses.

2. Progress on process, outcomes or deliverables

A total number of five professors were invited to participate in this project. Data on their non-flipped class sessions taught in the previously completed term (2015-16 term 2) has already been collected. The data was gathered in the form of questionnaires designed specifically for this project. All team members are moving on to the next step and have commenced preparation of flipped eLearning materials for

the next term (2016-17 term 1). Several meetings were conducted by a Research Assistant with each team member, so as to identify specific needs of different courses. Professor Ha and her teaching assistants have included more videos and reading materials in the course SPED 3450 for a better-rounded learning experience. For example, video clips about the assessment of fundamental movements were converted from a previous format to a more versatile and “student-friendly” MP4 format. These files will be appropriately edited into short and concise clips, and will be uploaded onto Blackboard in due course. Research has also been done to source more updated and stimulating reading materials, including news, curriculum for physical education and academic articles.

Dr. O’Reilly has reached out to the Centre for eLearning Innovation and Technology (ELITE) at CUHK and discussed with their media production specialists the design of his class. ELITE also offered us a training course for one of our Research Assistants, which covers basic video production skills across several video editing software, including Camtasia, iMovie and Adobe Premiere pro. Meanwhile, Professor Wong and Professor Tse have had their materials ready, including a range of videos either shot by themselves or taken from online sources. With the help of ITSC, their videos will be uploaded onto Blackboard and Echo 360 before their courses begin.

The project will be completed on time before the grant expiry date as proposed, given that there are very few foreseeable obstacles in terms of preparing teaching materials and data collection.

3. Evaluation Plan

The evaluation plan remains the same as the project goes on. We have already collected questionnaires from the past term, where a non-flipped approach was adopted. As the first flipped class is going to commence in the Summer term (2015-16), we will have collected the first batch of questionnaires on the effectiveness of the flipped classroom by the end of August. Focus-group interviews will also be conducted during term time to assess the project’s impact on both teaching and learning.

Several approaches are adopted to evaluate student’s learning progress. For example, in-class discussion and activities that enable students’ application of knowledge gained through reading learning materials prior to attending classes. Use will be made

of the universities' eLearning platform, Blackboard, to keep track of students' learning progress as well.

4. Dissemination

We have located some online resources that could be supplemented to students as pre-class reading materials (link to the videos:

http://fms.60minkidsclub.org/?page_id=270).

The links to the questionnaires designed specifically for this project:

<https://www.dropbox.com/s/tcv33ivkvuac8rq/MMCDG%20Questionnaire%201.doc?dl=0> and

<https://www.dropbox.com/s/f7utpgirw7owjrw/MMCDG%20Questionnaire%202.doc?dl=0> .