THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 3: eLearning Pedagogy Research

<u>Interim Report (2017-18)</u>

Report due 31 May 2018.
Please return by email to mmcd@cuhk.edu.hk

<u>PART I</u>

Project title: Evaluating the impact of micro-modules in pharmacy education

Principal supervisor: Prof. Vivian WY LEE

Department / Unit: School of Pharmacy

Project duration: From December 2017 to October 2018

Date report submitted: 31 May 2018

1. Project objectives

This project aims to examine the effectiveness of micro-module eLearning in enhancing students' knowledge and competence in clinical case assessment, with the aid of various assessment methods. We will produce 12 micro-modules about clinical case presentation (both written and oral), literature evaluation and drug information skills.

2. Progress on process, outcomes or deliverables

We are currently behind schedule due to understaffed and executing multiple projects' in 1st and 2nd quarter in 2018.

We tried to hire junior research assistant earlier this year but in vain. Also, our team was handling multiple service learning and teaching projects between January to May. However the topics of the micro modules have been established and we are working on the micro modules. We are trying to catch up and will ensure that all proposed micro modules items and evaluation tools will be completed by end of September, 2018. We plan on uploading these micro modules for PHAR3812 students in Spring 2019.

3. EvaluatIion Plan

The evaluation plan remains the same as indicated in the project proposal.

•Assessment	Evaluation criteria	Success indicators
Student performance		
Multiple choice questions for each micro-module	- Completion of the micro-module	90% of the students have attained a 100% completion

Online discussion	- Participation in regular questions	- Active participation of 50% of the class
	- Effect on final assessment	- Significant positive relationship between active participation and final grades
Drug information workshop: summative assessment	- Mean total scores of overall performances - Mean scores of each of the assessment items	Statistically significant increase mean scores of the whole class compared to previous years
Journal evaluation presentation: summative assessment	- Mean total scores of overall performances - Mean scores of each of the assessment items	Statistically significant increase mean scores of the whole class compared to previous years
Pre- and post- knowledge test	- Mean total scores	Statistically significant increase in knowledge
Student perception		
Evaluation survey	- Self-perceived knowledge gain from MM - Self-perceived increase in ability to handle the problems - Satisfaction towards the MM	Positive ratings in the 3 aspects

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

I plan to present the findings of the project in at least one local (e.g. CUHK Teaching Expo) and one international conference (e.g. AMEE).   In addition, one abstract and one manuscript will be prepared after completing the analysis for the students' evaluations.