

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 I

Project title: Regularization of fundamental chemistry knowledge through online interactive video micro-modules

Principal supervisor: Tse, Ying Lung

Department / Unit: Chemistry

Project duration: From February 2016 to January 2017

Date report submitted: 29 July 2016

(Our replies are in **blue**)

1. Project objectives

There are two main objectives in this project: developing interactive videos to regularize the students' background and evaluating the effectiveness of using these videos.

The project is currently on track for developing the interactive videos, but since the targeted course does not start until September, we have not yet been able to evaluate the effectiveness of these materials.

2. Progress on process, outcomes or deliverables

What have been accomplished so far? We aimed to discuss 8 topics using these videos, and two of them have been complete. Given that the newly hired staff and the experience gained, there should not be a problem to finish developing the videos on time. We also got ourselves familiar with the recording equipment at ELITE, and made connection with the KEEP staff for putting our videos online.

Have any obstacles been encountered and what are the remaining tasks to be finished? It was harder than expected to hire the right people at the beginning. Because of the length of the grant, I am only able to keep my part-time staff for less than a year. It is also not easy to find the right people with sufficient skills for making good slides and presenting the materials clearly and effectively. Now with all the staff hired, the remaining tasks are to finish recording the videos and evaluate the effectiveness when the semester starts.

Is the project still on time for completion (which includes preparation of the final report) on or

before the grant expiry date? Given the current progress and rate, I believe the project is on time.

Provide a listing of project outputs to date.

Two topics have been completed and ready for use. The other six topics should be finished in roughly two months. We have made ourselves familiar with the equipment at ELITE to record our videos, and we have been working with KEEP to post our videos and questions; these have greatly improved our rate of producing these materials.

3. Evaluation Plan

Have you altered your evaluation plans? No, but we now know the details more clearly. In the original proposal, we talked about putting our videos online and collecting various statistics, but we did not specifically talk about how to do it. After knowing more what is available on the CUHK campus, we now plan to utilize the KEEP platform to ask questions and collect statistics for the viewership of the videos.

Does your evaluation indicate that you have achieved your objectives? Not yet, we need to wait till the semester starts in September. There will be two sections in the chemistry course, one using the micro-module videos and the other one not. This should provide a good control for evaluating how effective these videos will be to regularize the students' diverse background.

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

Please see our summary video at

<https://dl.dropboxusercontent.com/u/46660961/mm-tse.avi>