THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 3: eLearning Pedagogy Research

<u>Interim Report (2016-17)</u>

Report due 31 October 2017.
Please return by email to mmcd@cuhk.edu.hk

<u>PART I</u>

Project title: Roles of Micro-modules Implementation in a Blended Learning Environment of UGFN1000
Principal supervisor: CHEUNG Hang Cheong, NG Ka Leung
Department / Unit: OGE
Project duration: From May 2017 to April 2018
Date report submitted:

1. Project objectives

The project is so far on track to meet the set objectives.

2. Progress on process, outcomes or deliverables

What have been accomplished so far?
1) Mode of micro-modules implementation
In previous course setting, 2 sets of micro-modules were implemented as supplementary materials in several classes of UGFN1000 and its usage is in voluntary manner. In 2017-18T1, we have made the micro-modules into a compulsory course item. Online discussion forum, which accounts for 6% of the assessment, is an existing platform for students to have further discussion on the core questions. Students will be required to watch the micro-modules before participating in the online discussion.

2) Online survey
In 2016-17T1, an online survey was introduced to the users of micro-modules to let them express their views on the effects of micro-modules on their ILOs attainment. The data was collected and analyzed. Students generally found the micro-modules could aid their ILOs attainment. Same set of online survey will be used in 2017-18T1 to examine if there is any difference when the micro-modules are implemented in a compulsory manner.

3) Content analysis
The content of online discussion in 2016-17T1 was extracted as raw data. The content

analysis of it is in progress. The online discussion forum has been setup in 2017-18T1, and the discussion is still in progress.

Have any obstacles been encountered and what are the remaining tasks to be finished?

One obstacle that we encounter is related to the content analysis. It takes a longer time than we expected to have a thorough analysis of the discussion forum content. But we are confident that the analysis will be finished on time.

The remaining tasks to be finished include:
   (1) Content analysis of the ILO attainment and cognitive achievement of the discussion forum, and the comparative study between the experimental group and the controlled group.
   (2) Online survey that captures the effectiveness of compulsory micro-modules, and the comparative study with the controlled group, whose data have been collected.
   (3) Focus group studies, cognitive and social presence surveys with students who experience the compulsory micro-modules coupled with online discussion forum, as well as the face-to-face lecture-tutorial discussion.

Is the project still on time for completion (which includes preparation of the final report) on or before the grant expiry date?

All concerned data is expected to arrive in late April, 2018. The data analysis is expected to finish in late August, 2018.

Provide a listing of project outputs to date.

As listed above.

3. Evaluation Plan

Have you altered your evaluation plans?

The evaluation will be conducted as planned.

Does your evaluation indicate that you have achieved your objectives?

The current evaluation method so far matched with our study objectives.

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

Provide a listing of dissemination activities to date.

The findings to date have been presented in:

1) 4th Greater China MOOC Symposium 2017, titled "*Effects and Risks of Micro-modules Implementation in a Blended Learning Environment*".

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2) Second Canadian International Conference on Advances in Education, Teaching & Technology 2017, titled "*Micro-modules Implementation in a Science General Education Course: Effective or Risky?*".