THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 1: Basic Scheme

Interim Report (2016-17)

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

PART I

Project title: Understanding Pearl River Delta through Interactive Micro-Modules

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Department / Unit: Department of Geography and Resource Management

Project duration: From May 2017 to April 2018

Date report submitted: 31 October 2017

1. Project objectives

Is the project on track to meet its objectives?

This project develops five micro-modules for flipped classroom teaching for GRMD1301/ UGEC1120 "Hong Kong and the Pearl River Delta (PRD)". As a regional geography course, students are required to understand key concepts such as Greater Pearl River Delta, migration model, air freedom and regional governance before unraveling the development process of the PRD. Our micro-modules created with the Storyline software aim to enable an interactive learning environment for students to learn these geographical concepts.

The project is on track to meet its objective. Our students will obtain substantial knowledge about the basic geographical concepts upon completion of the micro-modules. The first four modules cover basic knowledge to serve as a foundation for subsequent discussion on abstract concepts in the last module. They will learn in a relaxed way as the characters in the micro-modules guide them through the learning process.

Have the objectives been changed as a result of the experience of working on your MMCDG project?

There is no change in the project objectives.

2. Progress on process, outcomes or deliverables

What have been accomplished so far? Provide a listing of project outputs to date.

We have completed the draft version of three micro-modules with satisfaction. These modules will be finalized after testing.

1. <u>PRD, GPRD and PPRD as geographical units</u>
The concept of the three geographical units are articulated through animation. Satellite photos are also used to show how the region has developed from an agricultural base into an industrial center. The definitions of concepts are shown in the glossary tabs, which students could easily refer to. Moreover, an interactive game has been designed in the last part of the micro-module.

2. <u>Air Freedom</u>
Nine types of air freedoms are introduced through animation. The definitions of concepts are shown in the glossary tabs, which students could easily refer to. Students will learn in a relaxed way as our characters in the micro-module guide them through the learning process.

3. <u>Migration</u>
Theoretical models on urban-rural migration are introduced through animation. The definitions of concepts are shown in the glossary tabs, which students could easily refer to.

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

We have spent much time (almost one month) at the beginning to look for an appropriate designer to provide technical support for this project.

The remaining micro-modules are expected to be completed by the end of December. These micro-modules will be used to facilitate flipped classroom teaching for GRMD1301/ UGEC1120 "Hong Kong and the Pearl River Delta (PRD)in the second term.

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

The project is on time for completion.

3. Evaluation Plan

Have you altered your evaluation plans? Does your evaluation indicate that you have achieved your objectives?

We have not altered the evaluation plan. As planned, student survey will be conducted in the second term to collect feedbacks on the following aspects:

- Satisfaction of the micro-modules as an eLearning tool
- Effectiveness of the micro-modules in enhancing learning
- Usefulness of the micro-modules in flipped classroom teaching

In-depth interview with selected students will also be conducted in the second term to understand more about the pros and cons of the micro-modules. Student feedbacks after using the micro-modules, together with teachers' reflections will provide inputs for improving the micro-modules.

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

Provide a listing of dissemination activities to date.

Draft version of the micro-modules can be accessed from the following links:

http://www.grm.cuhk.edu.hk/~joanna/air/story.html

http://www.grm.cuhk.edu.hk/~joanna/prd/story.html

We are in the process of fine-tuning the contents and design of the micro-modules. The finalized version will be ready by January.