

**THE CHINESE UNIVERSITY OF HONG KONG**

**Micro-Module Courseware Development Grant**

**Scheme 3: eLearning Pedagogy Research**

**Interim Report (2016-17)**

Report due 31 October 2017

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

**PART I**

Project title: **T&L Effectiveness of Micro-modules in Economics and Finance Courses at Undergraduate and Postgraduate Business Programs**

Principal supervisor: Dr. Andrew Yuen and Dr. Anson Au Yeung

Department / Unit: Decision Sciences and Managerial Economics / Finance

Project duration: From May 2017 to April 2018

Date report submitted: 31 October 2017

**1. Project objectives**

- 1) Is the project on track to meet its objectives?

The objective of this study is to evaluate the teaching and learning effectiveness of micro-modules in macroeconomics and finance at undergraduate and postgraduate levels in CUHK Business School. The project is on track and is expected to be completed on time.

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

There is no change of the objectives. The preliminary data suggests that our research plan is feasible.

**2. Progress on process, outcomes or deliverables**

- 3) What have been accomplished so far?

We have performed a literature review on the effectiveness of blended learning in territory education. The in-depth literature review helped us to refine our methodology. Building on the literature, we have developed measures for evaluating the effectiveness of flipped classroom and have finalized the evaluation survey questionnaires. The questionnaires are ready for distribution. In the meanwhile, we are hand collecting some direct measurements like CTE, exam performance, and visit count to online readings. These data together with the

survey results will be compiled into a dataset for our study.

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

The schedule is a bit tight since our subjects from FINA2010, FINA5010, and DSME1040 will only be available in Term 2. But according to our plan, we should have enough time to perform our analysis in May. Currently, we have already prepared (1) a literature review on blended learning in territory education; (2) a dataset containing hand-collected CTE and exam scores of the subject courses which have been taught in earlier years; and (3) a set of questionnaire which will be used to measure the student perception on both blended class and traditional lecture.

The gantt chart below summarizes the remaining tasks to be finished. We will start collecting data from students once Term 2 begins in January. The hypothesis testing and correlation analysis will be conducted after all data are collected. We expect the data analysis could be completed in late April and we can start writing up the paper in May.

		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
<b>Course</b>	FINA2010G										
	FINA 5010F										
	FINA 5010XA										
	DSME 1040G										
	DSME 1040H										
<b>Methodology</b>	Literature Review	Done									
	Problem Formulation	Done									
	Experimental Design	Done									
<b>Material Preparation</b>	Teaching materials	Done									
	Questionnaires	Done									
<b>Data Collection</b>	Questions from students										
	Student activness										
	Online footprint										
	Questionnaire										
	CTE										
	Focused group										
	Mid-term + Exam										
<b>Analysis</b>	Quantizing the data										
	Hypothesis testing										
	Visualizing the results										
<b>Documentation</b>	Writing up the paper										

5) 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 track and is expected to be completed on time.

6) Provide a listing of project outputs to date.

The list of project outputs is as following:

1. A 7-pages literature review which includes related research about blended learning in territory education.
2. A dataset containing the CTE and exam score of the same course in previous years.
3. A set of questionnaire which measures the student perception on both blended class and traditional lecture.

### **3. Evaluation Plan**

- 1) Have you altered your evaluation plans?
- 2) Does your evaluation indicate that you have achieved your objectives?

The project is implemented as planned. No plan is altered.

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

- 3) Provide a listing of dissemination activities to date.

We plan to disseminate the research results in the Teaching and Learning Innovation Expo to reach fellow teachers in CUHK.