

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: Flipping an Introductory Educational Research Methodology Course

Principal supervisor: Professor Hau, Kit Tai

Department / Unit: Educational Psychology

Project duration: 1 Feb 2016 – 31 Jan 2017

Date report submitted:

1. Project objectives

The objectives have not been changed and the project is on track, a set of teaching note for the course PEDU6401 (Quantitative Methods in Educational Research) has been produced and is under its finalizing stage. The notes will be further revised and polished after the summer session. This teaching material is already flipped and will greatly enhance the quality of this flipped course. The responses from the students will be collected to analyze the relationships among students' background, motivation orientations, achievement (exam performance) and their flip experience (attitude towards flip). This will help our further understanding on the successful factors of flip. This set of materials and the whole course has been and will be further trimmed into micro-modules of independent topics and can be easily converted into modules for a MOOC.

2. Progress on process, outcomes or deliverables

As mentioned in the above section, a set of teaching notes has been produced and will be piloted in a summer session (August 4 -11, 2016). Then the notes will be further revised and polished for the session in the first term (September to October, 2016). The effectiveness of flip for the two sessions will be examined after the course have been completed. Data will be collected through questionnaire.

3. Evaluation Plan

The evaluation plans remain the same; we will use University wide standard CTE form and the additional questionnaire on students' perception of flip and students' motivational orientations to monitor the quality of our e-reading materials. We will also consult our students on the usefulness and quality of the e-reading materials which were prepared by this MMCD grant.

As I have done in the past few years, I will continue to share my experience in flip teaching using the e-reading materials in local, regional, and international conferences. The motivation questionnaires adopted in my research will also enable me to publish academic papers based on students' examination performance and questionnaire responses (e.g., whether the better performers in examination like the flip teaching more).

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

Dissemination Activities done:

- a) QEF Application: I have applied a QEF fund (HK\$600,000) to promote flip learning (starting June 2016).
- b) Constructing a Web: I have started to construct a web to disseminate Flip and other related activities -- EdDataX.FED.CUHK.EDU.HK (also partly supported by a QEF project)
- c) Public lecture in conference: Given a public keynote lecture on “醉翁之意：翻轉不是終極” in the conference 「反轉再玩轉」 by the IFEA (ifuture Education Association 香港電子學習教育協會) on 24 June, 2016; sharing with 250 principals and teachers.

Future Activities:

- d) International Conference presentation: Students' Perception of Flipped Classroom and Distant Mode Teaching Effects of Motivational and Self-Determination Orientations. Paper presentation at International Congress of Psychology Conference, Yokohama, Japan, July 24-29, 2016.
- e) Lecture on Flip: Flip teaching to Queen's College, Hong Kong, September 9, 2016
- f) Invited Keynote in Taiwan: to give an invited keynote at the e-learning conference in Taiwan (at Taichung Normal University) on “面授、翻轉教室、慕課、遠程教學：共同新趨勢及分工”, October 7, 2016.