

THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 2: Studies in Foundation Courses

Interim Report (2016-17)

Report due 31 October 2017.

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

PART I

Project title: Micro-modules for UGFN1000 classroom flipping 2

Principal supervisor: KIANG Kai Ming

Department / Unit: Office of University General Education

Project duration: From May 2017 to April 2018

Date report submitted: 11 Oct 2017

1. Project objectives

The Project is on track and met its objectives of providing a suite of micro-modules for 6 of the 11 classic texts to facilitate classroom flipping of the course In Dialogue with Nature by the end of the year. The interface of the site has also been upgraded to YouTube-like as planned. These objectives have not been changed.

2. Progress on process, outcomes or deliverables

There are now 10 new series of micro-modules recorded for the 6 of the 11 classics. Each series consists of 3-5 micro-modules. Together with the other micro-modules recorded from the previous micro-modules grant, students in 2017/18 Term 1 are able to benefit from watching micro-modules of the complete 11 classics. Some more micro-modules are in the process of preparing, filming and editing and are expected to be completed on time.

The micro-modules are accessible on KEEP as a KEEP course. The interface is another area for this project to work on. It is to upgrade to a YouTube-like interface. This new interface has been implemented for more than half of the classic texts on the KEEP course and will be able to completely upgrade on time.

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|-------------------|--|
| Text 1: Plato | ONE micro-module series for the background, personal stories, and technical knowledge COMPLETED |
| Text 2: Aristotle | TWO micro-module series for the background, personal stories, and technical knowledge COMPLETED ONE discussion on related modern issue is COMPLETED |
| Text 3: Newton | TWO micro-module on the background, personal stories, and technical knowledge COMPLETED |
| Text 4: Darwin | TWO micro-module on the background, personal stories, and technical knowledge COMPLETED |
| Text 5: Watson | ONE micro-module series for the background, personal stories, and technical knowledge COMPLETED |
| Text 6: Carson | ONE micro-module series for the background, personal stories, and technical knowledge COMPLETED |

3. Evaluation Plan

Surveys for evaluation will be conducted 2017/18 T1 and T2 students. Their opinions about the micro-modules will be collected via the survey. Moreover, the usage number of the KEEP course is also monitored and has been constantly increases (now > 600 registered users as at the time of writing this report).

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

The micro-modules are now all accessible via our KEEP course. To access, one will need a KEEP account to access it. The steps are as follow:

- 1) **Login/Create** your KEEP account at <https://keep.edu.hk/> (please create your account with your cuhk email address. It will require you to activate the KEEP account using that address)
- 2) **Visit** <https://moodle.keep.edu.hk/course/view.php?id=113>
- 3) **Self-enrol** into the course with this self-enrolment key: **ugfn1000**

The results of the work have been presented in the following conferences and expos:

KIANG Kai Ming, "Improving the effectiveness of a science classics-reading course through the use of micromodules". Australasian Science Education Research Association Conference, 2016.

KIANG Kai Ming, NG Ka Leung Andy, CHEUNG Hang Cheong Derek, WU Jun Vivian, "Micro-modules for UGFN1000 classroom flipping". Teaching and Learning Innovation Expo 2016.

KIANG Kai Ming, Derek Hang Cheong CHEUNG, NG Ka-Leung Andy, WU Jun Vivian,

"Micro-modules for UGFN1000 Classroom Flipping", Teaching and Learning Innovation Expo 2016.

CHEUNG Hang-Cheong Derek, NG Ka-Leung Andy, KIANG Kai Ming, Hin Yan CHAN.

"Effects and Risks of Micro-module Implementation in UGFN1000", Teaching and Learning Innovation Expo 2016.

CHEUNG Hang Cheong Derek, WU Jun Vivian, NG Ka-Leung Andy, KIANG Kai Ming, WONG Ka Tai Isaac. "Micromodules Development for a Compulsory Science Core-text Course". Institute on General Education cum Teacher and Student Conference 2017.

NG Ka-Leung Andy, CHEUNG Hang-Cheong Derek, KIANG Kai-Ming. "E-Learning Implementation in a Compulsory Science General Education Course". Multidisciplinary Academic Conference on Education, Teaching and Learning (MAC-ETL 2016).

NG Ka-Leung Andy, CHEUNG Hang-Cheong Derek, KIANG Kai-Ming. "E-Learning Implementation in a Compulsory Science General Education Course". Multidisciplinary Academic Conference on Education, Teaching and Learning, MAC Prague consulting Ltd., 2016.