

THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 1: Basic Scheme

Interim Report (2015-16)

Report due 30 June 2016.

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

PART I

Project title: Micro-modules for Fundamentals of Nursing I

Principal supervisor: Dr. Wong Cho Lee

Department / Unit: The Nethersole School of Nursing

Project duration: From January 2016 to December 2016

Date report submitted: 30 June 2016

1. Project objectives

This project aims to produce four micro-modules that cover four major topics in the first-year nursing course titled “Fundamentals of Nursing I.” The objectives are as follows: to (1) facilitate the students’ understanding of foundational knowledge and essential nursing skills in promoting the health and wellness of patients on the designated topics before class, (2) maximize the students’ learning by enabling them to learn at their own pace using the micro-modules, and (3) support the implementation of the flipped classroom strategy of the course. Currently, the project is on track to meet its objectives, which have not been modified.

2. Progress on process, outcomes or deliverables

Four micro-modules (except for three animated cartoon scenarios in MMCD 2) have been produced. We did not encounter significant obstacles during the process. However, during the process, we determined that the content of the three-minute video showing the clinical profile of a patient in pain, which we intended to produce in MMCD 2, could be incorporated into the three animated cartoon scenarios that the students will use to develop a nursing care plan in class. Thus, we decided to exert our effort to produce the cartoon scenarios instead. Currently, the three animated cartoon scenarios are in the production stage and will be ready by September 2016. Accordingly, we have provided the students with written materials to describe the case scenarios in the animations. We are confident that the project can be completed before the expiration of the grant.

3. Evaluation Plan

The evaluation has been initiated and is currently in process. However, the English cartoon video (i.e., one of the components in MMCD 1) and the three animated cartoon scenarios (in MMCD 2) are not yet ready for use before the completion of the course. Thus, the evaluation plan proceeds without these two components. The evaluation plan comprises student surveys, focus group interviews, and web logs analysis. A brief summary of these tasks and related schedule are listed as follows.

i. Student surveys

Student surveys were conducted before the commencement and after the completion of the course. These surveys aim to evaluate the students' perception and satisfaction toward the four developed micro-modules and the flipped classroom teaching. Data analysis indicated that the objectives have been achieved.

ii. Focus group interviews

A total of 30 students have been recruited for the focus group interviews. These interviews will be conducted in July. Accordingly, the data analysis will be completed in September.

iii. Web logs analysis

Track number of views for each micro-modules has been generated.

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

The micro-modules were uploaded to Blackboard one week before the class commenced. The students could download these modules through the NURS 1162 "Fundamentals of Nursing I" course platform under the "Course Content" category.

MMCD1: Nursing diagnosis and care plan

- Short lecture using annotated PowerPoint

http://course.nur.cuhk.edu.hk/restricted/NURS1162/Nursing_Care_Plan

- English cartoon video

http://137.189.27.142/nursing/nursingCarePlan_2.mp4

- Online exercise

https://elearn.cuhk.edu.hk/webapps/assessment/take/launchAssessment.jsp?course_id= 59065_1&content_id= 1621977_1&mode=cpview&target=blank

MMCD2: Nursing care for patients with pain

- Short lecture using annotated PowerPoint with a set of self-test questions

http://course.nur.cuhk.edu.hk/NURS1162/Facilitating_relief_from_pain/player.html

- Three scenarios for discussion

The three animated cartoon scenarios are in the production stage.

MMCD3: Process of wound healing and wound care

- Short lectures (consists of 4 parts) using annotated PowerPoint with a set of self-test questions

http://course.nur.cuhk.edu.hk/NURS1162/Process_of_wound_healingandwound_care/player.html

MMCD4: Techniques in wound dressing

- Short lecture using annotated PowerPoint with a set of self-test questions

http://course.nur.cuhk.edu.hk/NURS1162/Micro_module_Wound_dressing_materials/player.html

- A video demonstrating poor dressing techniques for students to critique

mms://winmedia.itsc.cuhk.edu.hk/nursing/NURS1162/Dx_Ct_1.wmv

mms://winmedia.itsc.cuhk.edu.hk/nursing/NURS1162/Dx_Ct_2.wmv