THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Scheme 1: Basic Scheme

Interim Report (2017-18) (Additional Call)

Report due 31 August 2018.
Please return by email to mmcd@cuhk.edu.hk

PART I

Project title: Micro-modules for Integrated learning: Utilizing a Virtual Pharmacy Platform to build Students’ Knowledge Base
Principal supervisor: Dr. Celeste LY Ewig
Department / Unit: School of Pharmacy, Faculty of Medicine
Project duration: From March 2018 to October 2018
Date report submitted: 30 August 2018

1. Project objectives
   - The project’s objectives are:
     - Develop interactive modules (exercises) to be used in a virtual pharmacy platform where students could practice applying the skills and knowledge needed to dispense drugs in accordance with a prescription.
     - Demonstrate vertical integration of knowledge of teaching between Year 2 and Year 3 courses
     - Enable more classroom time dedicated to discussion of cases (flipped classroom settings)
     - Internationalize the learning process of CUHK students by using eLearning resources used by overseas pharmacy schools
       ➢ Currently, the project is on track to meet the objectives stated.

2. Progress on process, outcomes or deliverables
   - The project currently has completed the following:
     - No. of Year 2 modules focusing on dispensing various formulations: 3, total of 10 exercises

<table>
<thead>
<tr>
<th>Module</th>
<th>Topic</th>
<th>No. of Exercises</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Oral Formulations</td>
<td>10</td>
<td>Covers various oral formulations such as tablet, capsule, modified-release tablet, syrup, suspension, mouthwash and sublingual tablet</td>
</tr>
<tr>
<td>2</td>
<td>Topical Formulations</td>
<td>5</td>
<td>Covers various topical formulations such as cream, nasal ointment, eye &amp;</td>
</tr>
</tbody>
</table>
ear drops, patches

<table>
<thead>
<tr>
<th>No.</th>
<th>Year 3 modules focusing on Central Nervous System drugs: 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module</td>
<td>Topic</td>
</tr>
<tr>
<td>1</td>
<td>Psychiatric Medications</td>
</tr>
<tr>
<td>2</td>
<td>Seizure Medications</td>
</tr>
</tbody>
</table>

- No. of Year 3 modules focusing on Central Nervous System drugs: 2

3. Evaluation Plan

- Preliminary feedback have been obtained from a focus group of 10 Year 3 students who gone through and pilot tested 8 of the dispensing exercises created. Feedback on the platform and exercises was collected. Modification of the exercises is in progress. The remaining evaluation plan is scheduled for after the completion of the full project.

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

The virtual pharmacy platform MyDispense CUHK will be made accessible to the incoming Year 2 and 3 students in the upcoming school year 2018-2019 for project implementation.