

# THE CHINESE UNIVERSITY OF HONG KONG

## Micro-Module Courseware Development Grant

### Scheme 1: Basic Scheme

#### Final Report (2017-18)

Report due 31 October 2018

Please return by email to The Ad hoc Committee on Planning of eLearning Infrastructure  
[mmcd@cuhk.edu.hk](mailto:mmcd@cuhk.edu.hk)

#### PART I

Project title: An online demonstration of identification skills on Chinese Materia Medica

Principal supervisor: Dr. NG Chi Sun

Co-supervisor(s) : Prof. Jiang Yuan An, Mr. Michael Chung, Dr. Katy Koon, Mr. Lam Yiu Ming(was invited to join the team since May 2018)

Department / Unit: School of Chinese Medicine

Project duration: From December 2017 to October 2018

Date report submitted: 31<sup>st</sup> October, 2018

#### **1. Project objectives**

*Is the project on track to meet its objectives?*

*Yes*

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

*No*

#### **2. Process, outcomes or deliverables**

*Please specify the number of micro modules produced, and the course(s) (with course codes and titles) that have used the micro modules in Part IV, and provide more detailed descriptions here. Must specify duration of each micro-modules (in terms of students online contact hours), total duration time of all deliverables and style. (With reference to the "Summary of video presentation styles" developed by CLEAR)*

*Number of micro modules produced : 19 in total (11 to be finished)*

*Course have used to micro modules: BCME2103 基礎中藥學*

Topic	Style of deliverable	Online contact hour
中藥傳統鑑別網上學習視頻介紹	Video (Pure	6:44

	Background / Static PPT)	
中藥傳統鑑別方法導論	PPT + Voiceover	29:23
藥材辨認方法 1：金銀花	Demonstration (Medical/Lab)	4:11
藥材辨認方法 2：黃芩	Demonstration (Medical/Lab)	3:35
藥材辨認方法 3：金錢草	Demonstration (Medical/Lab)	3:19
藥材辨認方法 4：半夏	Demonstration (Medical/Lab)	8:03
藥材辨認方法 5：貝母	Demonstration (Medical/Lab)	7:23
藥材辨認方法 6：黨參	Demonstration (Medical/Lab)	4:09
藥材辨認方法 7：海金沙 To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 8：木通 To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 9：人參(1) To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 10：人參(2) To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 11：人參(3) To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 12：西洋參 To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 13：冬蟲夏草 To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 14：附子 To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 15：黃連 To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 16：當歸 To be finished	Demonstration (Medical/Lab)	6-8minutes
藥材辨認方法 17：鹿茸 To be finished	Demonstration (Medical/Lab)	6-8minutes
		Around 150 minutes

*\*Each micro module of demonstration will be supported with teaching materials for practice together with assessment tools.*

*Has the nature of the deliverables been changed?*

*No.*

*Have you adjusted your timeline?*

*Yes, it was originally planned to use the lectures of the guest speaker given in summer semester 2018 as the main contents and materials to produce the micro-modules. A lot of preparation works has been done by the School and the project team to communicate with the guest speaker about the content and video shooting arrangement of the summer term course. Although the course were delivered satisfactorily, it was found that the video shooting outcomes did not meet our expectation due to various factors such as the instant students' participation and the teaching style during the class. As the result, the project team decided to give up most of the videos shot in the lecture demonstration and invited the guest speaker to demonstrate the practical techniques once again in studio. As it was more difficult to arrange suitable meeting time with the guest and studio, the timeline of the project was extended.*

*Overall, was the project completed satisfactorily?*

*The recording and most of the post editing process are completed satisfactorily.*

### **3. Evaluation Plan**

*Have you altered your evaluation plans?*

*The evaluation plan was adjusted with the project timeline.*

*What monitoring data did you collect?*

*Students are invited to use the micro-module materials and complete the questionnaire. Evaluation was carried out based on the data collected from students.  
(please refer to appendix I for the questionnaire )*

*Does your evaluation indicate that you have achieved your objectives?*

*Yes. According to the evaluation statistics, the students basically agreed that the micro module video provides a clear demonstration of hands-on and practical skills for them to identify commonly used herbal medicine. The micro-module together with the teaching materials for practice and assessment tools were found useful for self-learning. They also expressed their willingness of using such learning materials in their study.*

#### 4. Dissemination, diffusion and impact

*Please provide examples of dissemination: website, presentations in workshops or conferences, or publications.*

*The micro-module videos were uploaded to online learning platform of related course. Learning materials were placed in the multi-purpose laboratory in SCM for student to access.*

*Please provide examples of diffusion: how the project results/process/outcomes/deliverables have been used in your unit and other parts of CUHK or other institutions?*

The micro-module videos are adopted in the course BCME 2103 and BCME5201 as supplementary information, and will be adopted as the main reference of the course BCME2308 Empirical Identification of Chinese Herbal Drugs, and the course design with flipped classroom will be considered in next course revamp. The content may be used as a reference material in other Chinese Medicine courses and General Education courses where particular herbs are taught.

*Please provide examples of impact: how the project results (micro modules) can be adapted to other disciplines.*

Upon further editing and inclusion of subtitles in the future, the videos could be shared with other CUHK units which include the CUHK Chinese Medicine Teaching clinic, Institute of Chinese Medicine and Institution of Integrative Medicine for public viewing.

#### PART II

##### Financial data

Funds available:

Funds awarded from MMCDG	\$ 100,000
Funds secured from other sources (please specify _____)	\$ 0
Total:	\$ 100,000

Expenditure:

Item	Budget as per application	Expenditure	Balance
Teaching staff	20,000	20,000	0
Administrative Staff	5,000	5,000	0

Video production	55,000	49,670	5,330
CMM samples	3,000	0	3,000
Stationary	0	875	(875)
Others	17,000	10,000	7,000
Total:			14,455

### PART III

#### Lessons learnt from the project

*Please describe your way forward.*

*Please describe any of the following item(s) accordingly:*

- *Key success factors, if any*
  - *Fully supported by the guest speaker in professional knowledge and the source of rare and expensive herbal medicine samples.*
  
- *Difficulties encountered and remedial actions taken, if any*
  - *The difficulties of the lecture demonstration video shooting were underestimated. The project team therefore discussed with the guest speaker and decided to carry out the video shooting of the demonstration and teaching in studio setting.*
  
- *The role of other units in providing support, if any*
  - *Colleagues from ELITE are professional and helpful in the production process.*
  
- *Suggestions to CUHK, if any*
  - *Example: what should be done differently?*

### PART IV

#### Information for public access

*Summary information and brief write-ups of individual projects will be uploaded to a publicly accessible CUHK MMCDG website. Please extract from Part I the relevant information to facilitate the compilation of the publicly accessible website and reports.*

#### **1. Keywords**

*Please provide five keywords (in the order of most relevant to your project to least relevant) to describe your micro-modules/pedagogies adopted.*

(Most relevant)      Keyword 1: *Chinese Materia Medica*

Keyword 2: *Identification*

Keyword 3: *Herbs*

Keyword 4:

(Least relevant) Keyword 5:

## 2. Summary

Please provide information, if any, in the following tables, and provide the details in Part I.

<b>Table 1: Publicly accessible online resources (if any)</b>
<p><b>(a) Project website:</b></p> <p><i>If a publicly accessible project website has been constructed, please provide the URL.</i></p> <p>N/A</p>
<p><b>(b) Webpage(s):</b></p> <p><i>If information of your project is summarized in a webpage (say a page in the department's or faculty's website), please provide the URL(s) here.</i></p> <p>N/A</p>
<p><b>(c) Tools / Services:</b></p> <p><i>If you have used any tools or services for the project, please provide names of the tools or services in here.</i></p> <p>N/A</p>
<p><b>(d) Pedagogical Uses:</b></p> <p><i>If any flipped classroom activities have been conducted, please provide information in here. If relevant, please indicate how your project output can be used to support flipped classroom activities.</i></p> <p>The current project is used in <i>BCME 2103 Fundamental of Chinese Materia Medica</i>, assessment tools are located in the multi-purpose lab in the School of Chinese Medicine, which are accessible by students to serve self-learning purpose. The micro modules will be used as the main material for <i>BCME2308 Empirical Identification of Chinese Herbal Drugs</i>, and supplementary references in <i>BCME5201 Chinese Materia Medica</i>. While students could view the material before the lecture, more practical activities could be arranged during the contact hours.</p>
<p><b>(c) Others (please specify):</b></p>

<b>Table 2: Resources accessible to a target group of students (if any)</b>
<p><i>If resources (e.g. software) have been developed for a target group of students (e.g. in a</i></p>

course, in a department) to gain access through specific platforms (e.g. Blackboard, facebook), please specify.

<u>Course Code/ Target Students</u>	<u>Term &amp; Year of offering</u>	<u>Approximate No. of students</u>	<u>Platform</u>
<i>BCME2103</i>	<i>Term 1 2018/19</i>	<i>30</i>	<i>Blackboard</i>
<i>BCME2308</i>	<i>Summer term 2017/18</i>	<i>30</i>	<i>Blackboard</i>
<i>BCME5201</i>	<i>Term 2 2018/19</i>	<i>25</i>	<i>Blackboard</i>
<b>Table 3: Presentation (if any)</b>			
<i>Please classify each of the (oral/poster) presentations into one and only one of the following categories</i>			<b>Number</b>
(a) In workshop/retreat within your unit (e.g. department, faculty)			<i>0</i>
(b) In workshop/retreat organized for CUHK teachers (e.g. CLEAR workshop, workshop organized by other CUHK units)			<i>0</i>
(c) In CUHK ExPo jointly organized by CLEAR and ITSC			<i>1</i>
(d) In any other event held in HK (e.g. UGC symposium, talks delivered to units of other institutions)			<i>0</i>
(e) In international conference			<i>0</i>
(f) Others (please specify)			<i>Please insert no</i>

<b>Table 4: Publication (if any)</b>	
<i>Please classify each piece of publication into one and only one of the following categories</i>	<b>Number</b>
(a) Project CD/DVD	<i>0</i>
(b) Project leaflet	<i>0</i>
(c) Project booklet	<i>0</i>
(d) A section/chapter in a booklet/ book distributed to a limited group of audience	<i>0</i>
(e) Conference proceeding	<i>0</i>
(f) A chapter in a book accessible internationally	<i>0</i>
(g) A paper in a referred journal	<i>0</i>
(h) Others (please specify)	<i>Please insert no</i>

### **3. A one-page brief write up**

*Please provide a one-page brief write-up of no more than 500 words and a short video.*

Conventionally, Chinese medicine students are only required to understand the functions of Chinese materia medica (CMM). As the grading of the herbal medicine varies from batches to batches in the private markets, it is also necessary for the students equip with the knowledge and ability to identify the differential quality of herbal plants by the physical appearance and morphology. The current project aims as delivering the above learning content through online modules. We are honored to have invited Mr. HO Fat Yee, a local expert in CMM identification and herb marketing to demonstrate the practical knowledge and skills of identification of various commonly used CMM products including Ginseng, Cordyceps, Honeysuckle and other 13 items. The main features of each herb and the ways of identification such as inspection and simple testing methods are covered. The current project has been welcomed by the Chinese Medicine and will be launched to public where appropriate.

## Appendix 1

# 中藥傳統鑑別網上學習視頻 及 輔助考核工具 問卷

請在收看視頻和使用考核工具後，回答以下問題：

1. 你認為教學視頻是否能清晰展示藥材的鑑別方法？

不能

能夠

1	2	3	4	5	6	7	8	9	10
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2. 你認為教學視頻是否能有助掌握中藥傳統鑑別技巧？

不能

能夠

1	2	3	4	5	6	7	8	9	10
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3. 你認為輔助考核工具是否能有助掌握中藥傳統鑑別技巧？

不能

能夠

1	2	3	4	5	6	7	8	9	10
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4. 整體而言，你認為視頻和評核工具是否能讓你有效自學中藥傳統鑑別技巧？

不能

能夠

1	2	3	4	5	6	7	8	9	10
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5. 你是否願意使用視頻及相關工具學習？

不願意

願意

1	2	3	4	5	6	7	8	9	10
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6. 其他意見：

問卷完，謝謝！