

THE CHINESE UNIVERSITY OF HONG KONG

Micro-Module Courseware Development Grant

Final Report (August 2015)

Report due 31 August 2015.

Please return by email to The Ad hoc Committee on Planning of eLearning Infrastructure
mmcd@cuhk.edu.hk

PART I

Project title: Cardiopulmonary Resuscitation

Principal supervisor: Dr. Wai-Tat WONG

Co-supervisor(s) Professor Czarina Leung, Professor Charles Gomersall, Professor Gavin Joynt

Department / Unit: Department of Anaesthesia and Intensive Care

Project duration: From January 2015 to August 2015

Date report submitted: 31st August 2015

1. Project objectives

Is the project on track to meet its objectives?

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

The project is on track to meet our objective to maximize students' preparedness and competency so that face to face teaching can focus on aspects of learning that require physical practices or integration of all skills.

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 in here.

Have the nature of the deliverables been changed?

Have you adjusted your timeline?

Overall, was the project completed satisfactorily?

Totally 5 micro-modules were produced. All 5 produced micro-modules will be used in the Very BASIC course for final year medical student in the coming December and 2 micro-modules (chest compression and airway management) will be used by the first year medical student in the coming January – March 2016. The deliverables and the time line have

not been changed. Overall the project was completed satisfactorily, but may need modification in the coming months.

3. Evaluation Plan

Have you altered your evaluation plans?

What monitoring data did you collect?

Does your evaluation indicate that you have achieved your objectives?

The evaluation plan of the course was postponed as the Very BASIC course for final year medical student is postponed from September to Decemeber 2015. Besides the initial plan of evaluation of all five micro-modules, we plan to conduct a prospective study to compare the performance in chest compression with or without the use of our micro-module of chest compression in first year medical student.

4. Dissemination, diffusion and impact

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

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

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

The content of the micro-modules will be disseminated to the medical students through the website: <http://web8.aic.cuhk.edu.hk/moodle/course/view.php?id=82>.

Some of the micro-modules can be used in the undergraduate teaching in the Nursing department which requires their student to be familiar with the essential skills of in-hospital resuscitation.

Web based micro-modules can be adopted in teaching complex task which require the students to bring together physical skills, leadership, coordination and communication in discipline other than acute medicine. Such discipline may include social work, engineering and hotel management in managing crisis situation in their field.

PART II

Financial data

Funds available:

Funds awarded from MMCDG	\$ 91,000
Funds secured from other sources (please specify _____)	\$ 0
Total:	\$ 91,000

Expenditure:

Item	Budget as per application	Expenditure	Balance
Animation, illustration and video editing by in-house illustrator (project officer)	\$57,646.66	\$57,646.66	\$0
Video-taping and programming of smartphone application and video game by IT technician	\$ 33,353.34	\$ 33,353.34	\$0

Total:	\$91,000	\$91,000	\$91,000

PART III

Lessons learnt from the project

Please describe your way forward.

With the experience in producing cardiopulmonary resuscitation micro-modules, further web based flipped classroom teaching will be considering in teaching complex task related to acute medicine such as respiratory failure and circulatory shock management.

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

- *Key success factors, if any*
- *Difficulties encountered and remedial actions taken, if any*
- *The role of other units in providing support, if any*
- *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: Resuscitation
- Keyword 2: Team work
- Keyword 3: Coordination.
- Keyword 4: Chest compression
- (Least relevant) Keyword 5: Airway management

2. Summary

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

Table 1: Publicly accessible online resources (if any)

(a) **Project website:**

If a publicly accessible project website has been constructed, please provide the URL.

(b) **Webpage(s):** <http://web8.aic.cuhk.edu.hk/moodle/course/view.php?id=82>

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) in here.

(c) **Others (please specify):**

Table 2: Resource accessible to a target group of students (if any)

If resources (eg. software) have been developed for a target group of students (eg. in a course, in a department) to gain access through specific platforms (eg. Blackboard, facebook), please specify.

<u>Course Code/ Target Students</u>	<u>Term & Year of offering</u>	<u>Approximate No. of students</u>	<u>Platform</u>
<i>MChB course</i>	<i>Final year</i>		<i>Moodle website</i>

Table 3: Presentation (if any)

Please classify each of the (oral/poster) presentations into one and only one of the following categories

	Number
(a) In workshop/retreat within your unit (eg. department, faculty)	0
(b) In workshop/retreat organized for CUHK teachers (eg. CLEAR workshop, workshop organized by other CUHK units)	0
(c) In CUHK ExPo jointly organized by CLEAR and ITSC	<i>Planning</i>
(d) In any other event held in HK (eg. UGC symposium, talks delivered to units of other institutions)	0
(e) In international conference	0
(f) Others (please specify)	0

Table 4: Publication (if any)

Please classify each piece of publications into one and only one of the following categories

	Number
(a) Project CD/DVD	0
(b) Project leaflet	0

(c) Project booklet	0
(d) A section/chapter in a booklet/ book distributed to a limited group of audience	0
(e) Conference proceeding	Planning
(f) A chapter in a book accessible internationally	0
(g) A paper in an referred journal	0
(h) Others (please specify)	0

3. A one-page brief write up

Please provide a one-page brief write-up of no more than 500 words or a short video (~2 minutes) (preferred).

The short presentation of the final report of the Cardiopulmonary Micro-modules was uploaded to the link as follows,

http://aic-server1.aic.cuhk.edu.hk/~bresrytest/icu_tat/

Username: resus

Password: icu!pwh15