

# City University of Hong Kong

## **Information on a Course** **offered by Department of Mechanical and Biomedical Engineering** **with effect from Semester B in 2016/2017**

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### **Part I**

Course Title: **Research Seminar**

Course Code: **MBE8002M**

Course Duration: **Throughout the year of the candidate's MPhil/PhD studies**

Credit Units: **2**

Level: **R8**

Medium of Instruction: **English**

Prerequisites: **Nil**

Precursors: **Nil**

Equivalent Courses: **MEEM8002M/SEEM8002M Research Seminar**

Exclusive Courses: **Nil**

**Note: Students may repeat a course, or an equivalent course, to improve course grade only if the previous course grade obtained is C or below.**

### **Part II**

#### **1. Course Aims**

The Research Seminars will be used as a forum for the research students to:

- broaden their knowledge and expertise;
- exchange learning experiences or research findings with their peers;
- cultivate critical thinking and stimulate generation of new ideas;
- develop their ability and skill in technical communications; and
- help promote their research culture.

## 2. Course Intended Learning Outcomes (CILOs)

*Upon successful completion of this course, students should be able to:*

No.	CILOs	Weighting* (if applicable)
1.	<b>Define</b> the nature, aim, scope and significance of a research topic clearly in explicit terms and develop it in adequate academic depth and vigour.	1
2.	<b>Review</b> the body of knowledge from literature to lay the necessary theoretical foundation relevant to the topic or theme of the thesis.	2
3.	<b>Apply</b> such theory or knowledge to formulate and implement the research methodology for the thesis.	2
4.	<b>Participate</b> in the regular Seminars in the course of their candidature. <b>Communicate</b> the thesis research process, results and experience scholarly and logically, using written, oral and visual media.	3

\*Weighting ranging from 1,2,3 to indicate the relative level of importance in an ascending order.

## 3. Teaching and Learning Activities (TLAs)

Students are required to attend the regular Seminars in the course of their candidature. The candidates are expected to learn and gain from these seminars during which they are encouraged to have scholarly discourse about methodology design, research technique and instrument, analysis strategies, and research progress or findings with their peers. These seminars are progress checkpoints as well as forums for sharing of research experience among the students.

Research seminars and talks by guest speakers/visitors, will also be arranged throughout the program. In addition, students are encouraged to attend other seminars organized on a regular basis by different academic units of CityU. This will provide students with opportunities for first-hand discussions and interaction with experienced professionals and academics on wide ranging contemporary issues and topics.

CILO No.	TLAs	Hours/week (if applicable)
CILO 1	Each student shall define, under the supervision of the supervisor, the nature, aim, scope and importance of a project.	-
CILO 2	Each student shall research and review the appropriate body of knowledge and background information needed to achieve the defined thesis objective(s).	-
CILO 3.1	Each student shall appraise and select the knowledge, theory or practice learned from literature and develop the appropriate thesis research methodology.	-

CILO 3.2	Implement the research methodology to the chosen problem or project.	
CILO 3.3	Analyze the results obtained, draw conclusion and critically appraise the work done.	
CILO 4.1	Attend and participate in the periodic Seminars.	-
CILO 4.2	Report on some seminars attended.	
CILO 4.3	Present a seminar on a topic relevant to the thesis and report the research progress during the Seminars in the candidature.	

#### **4. Assessment Tasks/Activities**

100% coursework.

A registered student has to meet the minimum requirements of attendance, presentation and report for completion of the course.

\*Note: This course will be offered outside Hong Kong. However, seminar attendance and presentation conducted on CityU campus will be counted towards the fulfillment of this course.

#### **5. Grading of Student Achievement:**

Pass or Fail.

### **Part III**

#### **Keyword Syllabus**

Literature search, research design, research methodology, quantitative and qualitative methods, research writing and presentation, research seminars.

#### **Recommended Reading**

##### **Text(s)**

Nil

##### **Online Resources**

Nil