

# Medical Year 1 (6-Year Curriculum)

Course Design, Challenges and  
Opportunities

# 6-Year Medical Curriculum

- ◎ The new Year 1 curriculum
- ◎ Year 2 to 6: System-based Integrated Curriculum

# Overview of the 6-Year Medical Curriculum

| Year 1   | Year 2   | Year 3   | Year 4   | Year 5  | Year 6  |
|--|--|--|--|---|---|
|  | PCLM/CLMO, LLSK <sup>1</sup>   |  |  | Embedded in clinical modules  |   |
| Communication Skills   | COSK <sup>1</sup>  |  |  | Embedded in clinical modules  |   |
| - University & College General Education;<br>- Language & IT Courses;<br>- Physical Education Courses;                           | - University & College General Education;<br>- Physical Education Courses;<br>- Human Structure SSM <sup>2</sup> ; | - General Education<br>- Journal Paper Analysis SSM <sup>2</sup> | - General Education<br>- Medical Research SSM <sup>2</sup> /<br>Healthcare Database Analysis SSM <sup>2</sup><br>Jr. Medical Clerkship &<br>Jr. Surgical Clerkship;<br>Clinical Clerkship Exam | Community & Family Medicine, Obstetrics & Gynaecology, Paediatrics, Psychiatry modules;<br>Combined Clinical Exam;<br>Clinical Elective: Self-selected clinical attachment located overseas or locally (4 to 6 weeks) | Sr. Medical Clerkship & Sr. Surgical Clerkship; Medicine & Surgery subspecialties |
| - Foundation Course for Health Sciences I<br>- Foundation Course for Health Sciences II<br>- Public Health and Healthcare Ethics | PCAR, PHES, PHOM, PMUS <sup>3</sup>  |  |  |   |   |
|  | PFOS, PGIN <sup>3</sup>  | PHAE, PMDT, PNEU <sup>3</sup>                                    |  |   |   |
|  | PHUS <sup>3</sup>  |  | PGIN, PREP <sup>3</sup>  |   |   |
|  | First Prof Exam  |  | Second Prof Exam   | (Part I) Third Prof Exam  | (Part II) Third Prof Exam   |

## <sup>1</sup> Skills Panels:

|      |   |                           |
|------|---|---------------------------|
| CLMO | - | Clinical Modules          |
| COSK | - | Communication Skills      |
| LLSK | - | Life Long Learning Skills |
| PCLM | - | Clinical Methods          |

## <sup>3</sup> System Panels:

|      |   |   |
|------|---|---|
| PCAR | - | Cardiovascular-Respiratory                        |
| PFOS | - | Foundation Studies                                |
| PGIN | - | Gastroenterology and Nutrition                    |
| PHAE | - | Haematology, Infection and Immunity               |
| PHES | - | Health and Society                                |
| PHOM | - | Homeostasis (Renal, Endocrinology and Metabolism) |
| PHUS | - | Human Structure                                   |
| PMDT | - | Mechanisms of Disease and Therapeutic Approaches  |
| PMUS | - | Musculoskeletal                                   |
| PNEU | - | Neuroscience                                      |
| PREP | - | Reproduction, Sex, Human Development and Growth   |

## <sup>2</sup> SSM: Selected Study Modules

(MBCbB)

## One-Year Internship

- 3-months: General Medicine (GM)
- 3 months: General Surgery (GS)
- 3 more months of GM or Medical Subspecialty (PED, PSY, or OBG)
- 3 more months of GS or Surgical Subspecialty (O&T or OBG)

# 6-Year Medical Curriculum

## ◎ The **new Year 1** curriculum

|  | Courses  | Term                            | Units | Total<br>(Year 1<br>to 4) |
|--|--|---------------------------------|-------|---------------------------|
| University<br>Requirements               | 1) <b>General Education (GE) Foundation Programme, University &amp; College GE Courses</b> | Spread<br>over<br>both<br>Terms | 6 + 3 | 6+9+6                     |
|  | 2) Language (Chinese + English)  |                                 | 3 + 4 | 15                        |
|  | 3) IT Proficiency Test   |                                 | -     | 1                         |
|  | 4) Physical Education  |                                 | ---   | 2                         |
| Faculty<br>Package                       | Four basic courses:  |                                 |       |                           |
|  | 1) <b>MEDF1011B</b> Foundation Course for Health Sciences I                                | 1                               | 2     |                           |
|  | 2) <b>MEDF1012B</b> Foundation Course for Health Sciences II                               | 2                               | 2     | --                        |
|  | 3) <b>MEDF1021</b> Public Health and Healthcare Ethics                                     | 1                               | 3     |                           |
| 4) <b>MEDF1031B</b> Communication Skills | 2  | 3                               |       |                           |

# Health Sciences I

1<sup>st</sup> term : 26 lecture hours + 1 tutorial

◎ **Concepts in physical and chemical sciences related to the functioning of the human body.**

Lecture topics :

- Biomolecules and water
- Cell and cell organelles
- Heat and kinetic theory
- Thermodynamics
- Bioelectricity
- Body fluids and electrolytes
- Acids and bases
- Energy and force
- Light
- Sound
- Radioisotopes and radiation

Tutorial topic : Excitable cells

# Health Sciences II

2<sup>nd</sup> term : 24 lecture hours + 1 demonstration + 2 tutorials

## ◎ **Fundamentals of cell and molecular biology, and the functional organization of the body systems.**

Lecture topics : Protein  
Biocatalyst  
Carbohydrates  
Bioenergetics  
Cellular transport and cytoskeleton  
Transmission of genetic information  
Cell cycle and cell death  
Cell signaling  
Body systems (nervous, musculoskeletal, digestive, respiratory, cardiovascular, endocrine, reproductive, urinary)

Demonstration topic : Overview of body systems by prosecuted specimens

Tutorial topics : Enzymes  
Cell cycle, apoptosis and cancer

# Public Health & Healthcare Ethics

---

1<sup>st</sup> term : 39 lecture hours

◎ **Local and global perspectives on ethics and public health.**

Topics covered :

- Ethical dilemmas and professional conduct
- Key determinants of public health
- Public health policy and interventions
- Disease prevention and control
- Health protection
- Ethical approaches and decision making
- Ethics and health policy
- Quality of care and patient safety
- Hong Kong health system
- Health promotion: obesity and mental health
- Poster presentations

# Communication Skills

**2<sup>nd</sup> term : 8 lecture hours + 9 workshop hours  
+ 2 demonstration hours  
+ 20 Group Topical Study hours**

**◎ Effective communications with various stakeholders and public speaking.**

**Topics covered :** Enhancing self-understanding  
Variety of means of communication  
Effective presentation skills  
Communication with patients  
Communication with public, media and health professionals  
Group Topical Studies and presentation

# ◎ Venues (Year 1)

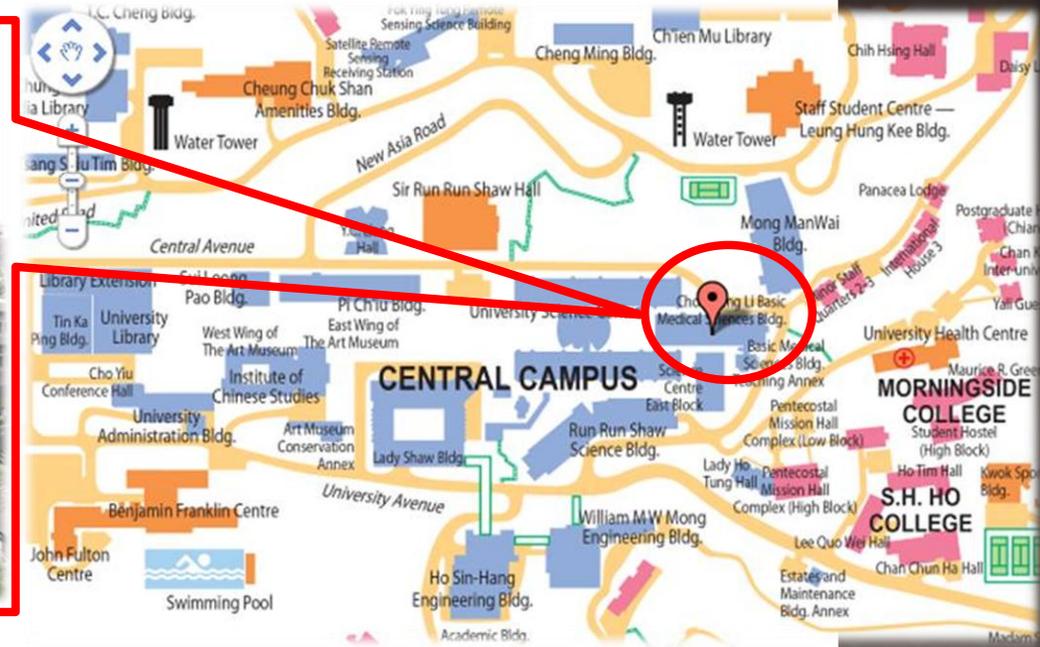
## ■ Faculty Package (Lectures)



**Yasumoto International Academic Park (YIA-LT1)**  
of Two Integrated Teaching Buildings (TITB)  
(Close to Chung Chi College and the University Train Station)

## ◎ Venues (Year 1)

- Faculty Package (Tutorials and Demonstration)



**Choh-Ming Li Basic Medical Sciences Building (BMSB)**  
(University Main Campus)

# Assessment

## ◎ Medical Year 1 (6-Year Curriculum)

- Continuous assessment
  - Assignment, quiz, presentation, evaluation, participation, etc.
- End of term assessment
  - Stipulated requirements in different courses

# Governance

## **Year 1 Committee (6-Year Curriculum)**

Chairman

The 4 course coordinators of the Faculty package

Representatives from Chinese Medicine, Nursing,  
Pharmacy and Public Health

Secretary

## **Course Committees**

Course coordinator

Representatives from the other Schools

Supporting staff

# Challenges

- ◎ Huge number of students in the 4 Faculty package courses.
- ◎ Diversified background of the students.
- ◎ Are the current course contents appropriate?
- ◎ No suitable textbooks for the courses. 
- ◎ The need for topics and tutors for the Group Topical Studies.
- ◎ Loose affinity with the Medical Faculty in the first year. 

# Textbooks

## FACULTY OF MEDICINE Recommended Textbooks and References 2012/2013

### Section I: Textbooks

#### For Medical Year 1

#### **MEDF 1011**

##### **1.1. Basic Concepts in Biomedical Sciences I**

*CUHK – CUSTOM, Pearson (2012). (ISBN:9789882245792)*

#### **MEDF 1012**

##### **1.2. Basic Concepts in Biomedical Sciences II**

*CUHK – CUSTOM, Pearson (2012). (ISBN: to be confirmed.)*

#### **MEDF 1021**

##### **1.3. Resolving ethical dilemmas: A guide for clinicians**

*Lo, B. 2009. Philadelphia: Lippincott, Wolters Kluwer (4th ed.)*

##### **1.4. Introduction to Public Health**

*Schneider M-J. 2010. Jones and Bartlett Publishers; Massachusetts. (3<sup>rd</sup> Edition).*

# Basic Concepts in Biomedical Sciences I



ISBN 978-988-224-579-2

ALWAYS LEARNING

PEARSON



# Opportunities

- ◎ A less packed time-table in the upper years particularly Year 2
  - General Education
  - P.E.
  - COSK 1
  - PHES 1
  - PFOS
  - SSM
- ◎ An opportunity to include other elements of experiential learning in Year 3 and Year 4?
- ◎ One more year and summer for students to adjust to and to get the most out of University life.
  - Summer research projects
  - University/College exchange programmes
- ◎ Opportunities to develop cross-discipline interactions among students both within and outside the Medical Faculty.

**Skills**  
e.g. Clinical, Communication,  
Life-long learning,  
IT Competence

**Professionalism**

**Essential  
Knowledge**

**Right Attitudes**

# Some suggestions

- ◎ Can we introduce more variety of teaching formats/resources into these Faculty package courses? e.g. e-learning elements.
- ◎ Can we open these Faculty package courses to students of other Faculties?

# Student Handbook



The Chinese University of Hong Kong  
Faculty of Medicine

Medicine Programme  
(MB ChB)

**STUDENT HANDBOOK**

YEAR ONE (6-year Curriculum) 2012/2013