

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 ¹			Embedded in clinical modules→	
Communication Skills	COSK ¹			Embedded in clinical modules→	
- University & College General Education; - Language & IT Courses; - Physical Education Courses;	- University & College General Education; - Physical Education Courses; - Human Structure SSM ² ;	- General Education - Journal Paper Analysis SSM ²	- General Education - Medical Research SSM ² / Healthcare Database Analysis SSM ² Jr. Medical Clerkship & Jr. Surgical Clerkship; Clinical Clerkship Exam	Community & Family Medicine, Obstetrics & Gynaecology, Paediatrics, Psychiatry modules; Combined Clinical Exam; 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 - Foundation Course for Health Sciences II - Public Health and Healthcare Ethics	PCAR, PHES, PHOM, PMUS ³				
	PFOS, PGIN ³	PHAE, PMDT, PNEU ³			
	PHUS ³		PGIN, PREP ³		
	First Prof Exam		Second Prof Exam	(Part I) Third Prof Exam	(Part II) Third Prof Exam

¹ Skills Panels:

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

³ 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

² SSM: Selected Study Modules

(MBChB)

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

Health Sciences I

1st 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

2nd 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

1st 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

2nd 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)

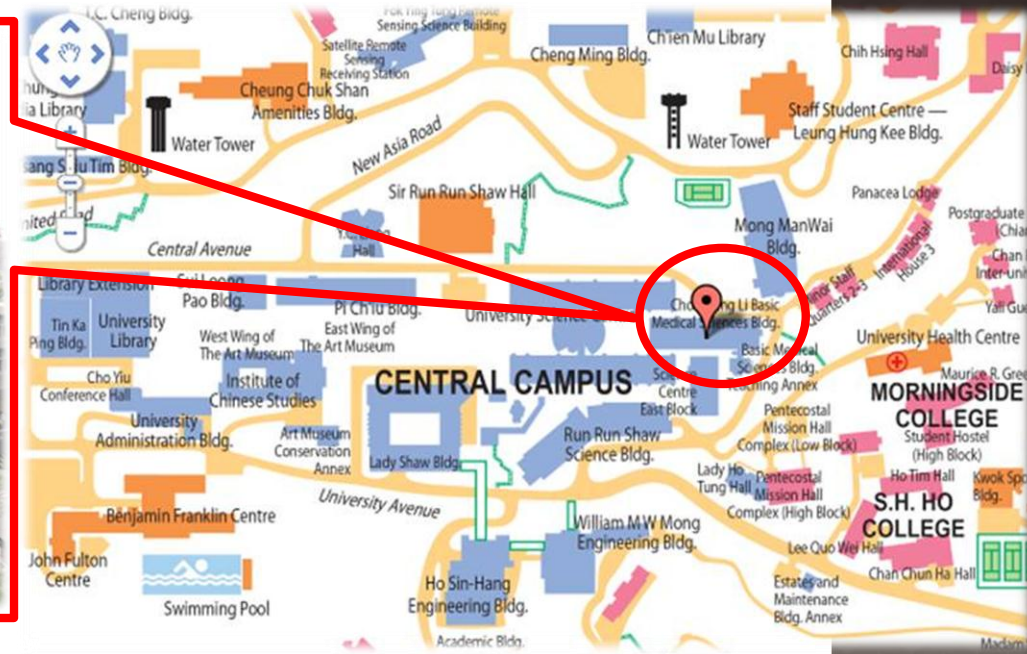
■ Faculty Package (Lectures)



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. (3rd Edition).



Basic Concepts in Biomedical Sciences I



ISBN 978-988-224-579-2

ALWAYS LEARNING

PEARSON



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The Chinese University of Hong Kong

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