

# **Master of Occupational Medicine (Full-time and Part-time)**

## **Programme Director and Deputy Director**

Programme Director: **Professor Ignatius Tak-sun YU**

Deputy Director: **Professor Tze-wai WONG**

## **Background**

Occupational medicine is a branch of medicine that began with Bernardino Ramazzini (1633–1714), whose interests and publications in ‘trade diseases’ earned him the title, ‘the Father of Occupational Medicine’. As early as 1955, an Industrial Health unit was established in the Medical and Health Department of Hong Kong’s then colonial government. Traditionally, the Medical and Health Department sponsored its doctors to either take the Master of Science (MSc) in Occupational Medicine in Singapore or the United Kingdom, read the Diploma in Industrial Health (DIH) in New Zealand, or attend various courses in the United States.

The Chinese University of Hong Kong’s Department of Community and Family Medicine started the Diploma in Occupational Medicine in 1985, together with the Diploma in Occupational Health Nursing and the Diploma in Occupational Hygiene. These were upgraded to Postgraduate Diploma programmes under the Graduate School of the Chinese University of Hong Kong in 2004. With the rapid social and economic changes in Hong Kong, occupational medicine has evolved beyond the factory environment to include all occupations, with its focus expanding from physical, chemical, and biological hazards to encompass psychological, behavioural, ergonomic, and management aspects.

The establishment of the Subspecialty of Occupational Medicine within the Hong Kong College of Community Medicine was approved by the Hong Kong Academy of Medicine in 2000. Occupational Medicine is now in the Specialist Register of the Hong Kong Medical Council. According to the training requirements laid down by the Hong Kong College of Community Medicine, trainees in the Subspecialty of Occupational Medicine must pass the College Fellowship Examinations and satisfy the requirements for in-service training in occupational medicine.

Starting in September 2009, the programme will also be offered in the full-time study mode, with blocks of several weeks of full-time study spread through the year.

## **Why Study Here**

We provide the only taught Master programme, in Hong Kong and in neighbouring regions, which are dedicated to occupational medicine. The programme emphasise classroom teaching as well as practical and clinical experience, which are necessary for acquiring the relevant competencies in the profession. With small class sizes, we encourage direct interactions between participants and teachers.

## Who Should Apply

The target candidates are medical doctors who are committed to practising occupational medicine in the occupational health facilities of the government and in the community.

## Aims and Features

The aim of programme is to provide training in occupational medicine for Hong Kong's medical profession at an advanced level, so that graduates are:

- Proficient in the knowledge and skills required to practise occupational medicine; and
- Suitably prepared for the Intermediate and Exit Examinations in Occupational Medicine of the Hong Kong College of Community Medicine.

Graduates of the programmes will have acquired the knowledge and skills needed to practise occupational medicine in the occupational health facilities of the government and in the community.

## Programme Structure

A total of at least 36 credit units must be accumulated from the programme. The MOM programme is designed to foster the essential knowledge, skills, and attitudes in occupational medicine through a mixture of lectures, practical work, tutorials, seminars, and research. It is comprised of the following independent but related courses.

### **The modules:-**

	<b>Code</b>	<b>Title</b>	<b>Units</b>
<b>Year 1</b>	PBH7301-OHS5001	Fundamentals of Occupational Health	3
	PBH7311-OMD5002	Principles and Practice of Occupational Medicine	6
	PBH7312-OMD5003	Practical and Project Work in Occupational Medicine	6
	MOM5002	Epidemiology in Occupational Health	3
	MOM5003	Biostatistics in Occupational Health	3
	<b>Subtotal</b>		
<b>Year 2</b>	MOM6001	Applied Occupational Medicine	6
	MOM6002	Protocol Development	2
	MOM6003	Project Work and Report	7
	<b>Subtotal</b>		
<b>TOTAL UNITS</b>			<b>36</b>

### **Core Courses:-**

**PBH7301-OHS5001 Fundamentals of Occupational Health (3 Units)**

A basic course for students intending to study any discipline of the occupational health sciences. General basic principles in the practice of occupational health and hygiene will be introduced. Other topics include applied toxicology, physical hazards, chemical hazards, biological hazards, ergonomics, and occupational psychology.

**PBH7311-OMD5002 Principles and Practice of Occupational Medicine (6 Units)**

This is the follow-up to course PBH7301-OHS5001, for medical doctors who want to specialise in the discipline of occupational medicine. A systematic approach to the study of occupational diseases and work-related health problems will be introduced, and practical management problems in occupational medicine will be covered.

*Prerequisite: PBH7301-OHS5001 Fundamentals of Occupational Health.*

**PBH7312-OMD5003 Practical and Project Work in Occupational Medicine (6 Units)**

Each student is required to complete a number of practical and project assignments related to the practice of occupational medicine. The assignments include workplace health hazard evaluations, clinical case reviews, and their associated reports, as well as practical problem-solving projects under different scenarios in occupational health settings. Students will need to demonstrate competency in utilising the knowledge and skills acquired during the diploma programme. Presentations in class and written reports will be required for the assessment of performance in this module.

**MOM5002 Epidemiology in Occupational Health (3 Units)**

This course is designed to introduce essential methods in epidemiology, as applied to occupational medicine practice and research. The topics will include risk estimation, surveys and sampling, cross-sectional studies, case-control studies, cohort studies, clinical trials, and evidence-based medicine.

**MOM5003 Biostatistics in Occupational Health (3 Units)**

Basic biostatistics methods, which are essential to the practice of occupational medicine and simple research, will be taught. The topics will include the nature of variables, descriptive statistics, comparisons between and among groups, common parametric and non-parametric methods, correlations, and regressions. The use of common statistical software will be introduced.

**MOM6001 Applied Occupational Medicine (6 Units)**

This course emphasises the application, in daily clinical practice, of knowledge and skills acquired during the basic course. Visits and attachments to various service units will be arranged. Case discussions, clinical practice audits, and problem-solving exercises will be employed, and there will be frequent interactions with the instructors.

**MOM6002 Protocol Development (2 Units)**

This is a practical course that develops students' techniques in protocol writing, leading ultimately to the conduction of their research project and the write-up of their thesis. It will involve the application and synthesis of knowledge acquired in the other courses.

### **MOM6003 Project Work and Report (7 Units)**

Each student is required to complete an individual project on occupational medicine under the direction of a supervisor, utilising knowledge and skills acquired during the programme. Students will be required to make regular presentations on the progress of their projects throughout the course, and to submit a thesis at the end of the programme.

#### **Teaching Format**

The teaching format will include lectures, tutorials, project work, literature reviews, critical appraisals, and visits. The medium of instruction is English.

#### **Teaching Faculty**

External specialist lecturers will be invited as required to complement existing expertise within the Department of Community and Family Medicine. These lecturers will be from departments of the Faculty of Medicine at the CUHK, as well as other faculties. Experts from the Department of Health, the Labour Department, and other tertiary institutions will also be invited to join the teaching faculty.

#### **Duration / Modes of Study / Tuition Fees**

<b>Duration</b>	<b>Mode of Study</b>	<b>Tuition Fees</b>
20 months	Full-time	HK\$126,000
2 years	Part-time	HK\$126,000

#### **Recognition of the Programme**

The Master of Occupational Medicine, MOM (CUHK) is quotable qualification approved by the Hong Kong Medical Council.

#### **Course and Unit Exemptions**

Graduates from the Postgraduate Diploma in Occupational Medicine programme at the School of Public Health, who want to undertake further studies through the Master of Occupational Medicine, may apply for unit exemptions. Graduates from other postgraduate programmes at the School, who also wish to enter the Master's programme, may apply for unit exemptions as well.

#### **Graduation Requirements**

Student performance is assessed on a course-by-course basis. Students are required to attend at least 80% of the lectures, seminars, tutorials, and practical sessions, and obtain a

‘satisfactory pass’ in the assessment of each module, with a cumulative overall GPA of at least 2.0.

In addition, students have to comply with the requirements of proficiency in information technology (IT) before they can be awarded the Master of Occupational Medicine, as stipulated by the Graduate School.

### **How to Apply**

#### **Admission requirements:-**

Applicants are required to hold a Bachelor degree in Medicine. The degree should be awarded by a local university, or by an overseas university of acceptable standing and where English is the medium of instruction. In the case of candidates from non-English universities, the Graduate School’s English language requirements for admission will apply.

#### **Admission procedures:-**

- By completing the online request form in the Graduate School website (<http://www2.cuhk.edu.hk/gss/>);
- In person from the Graduate School Secretariat, 4/F, Academic Building No.1, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong or from Mr. C.C. Lee, Room 420, 4/F, School of Public Health, Prince of Wales Hospital, Shatin, New Territories, Hong Kong; or
- By sending a stamped (HK\$8.20), self-addressed envelope (A4 size) to the Programme Administrator.

Completed application form should reach the School of Public Health, Prince of Wales Hospital, Shatin, New Territories, Hong Kong by the end of March of each academic year. Applicants are encouraged to use online application procedures to save time and postage. Please visit the Graduate School website at <http://www2.cuhk.edu.hk/gss/>.

#### **Application deadline:-**

March 31, 2009

### **Administrative Staff**

<b>Programme Administrator</b>	<b>Telephone No.</b>	<b>E-mail Address</b>
Mr. C.C. Lee	2252 8817	cclee@cuhk.edu.hk

# **Postgraduate Diploma in Occupational Medicine (Full-time and Part-time)**

## **Programme Director and Deputy Director**

Programme Director: **Professor Ignatius Tak-sun YU**

Deputy Director: **Professor Xiao-rong WANG**

## **Background**

The Chinese University of Hong Kong's Department of Community and Family Medicine started the Diploma in Occupational Medicine in 1985, together with the Diploma in Occupational Health Nursing and the Diploma in Occupational Hygiene. These were upgraded to Postgraduate Diploma programmes under the Graduate School of the Chinese University of Hong Kong in 2004. With the rapid social and economic changes in Hong Kong, occupational medicine has evolved beyond the factory environment to include all occupations, with its focus expanding from physical, chemical, and biological hazards to encompass psychological, behavioural, ergonomic, and management aspects.

The establishment of the Subspecialty of Occupational Medicine within the Hong Kong College of Community Medicine was approved by the Hong Kong Academy of Medicine in 2000. Occupational Medicine is now in the Specialist Register of the Hong Kong Medical Council. According to the training requirements laid down by the Hong Kong College of Community Medicine, trainees in the Subspecialty of Occupational Medicine must pass the College Fellowship Examinations and satisfy the requirements for in-service training in occupational medicine.

Starting in September 2009, the programme will also be offered in the full-time study mode, with blocks of several weeks of full-time study spread through the year.

## **Why Study Here**

We provide the only taught Postgraduate Diploma programme, in Hong Kong and in neighbouring regions, which are dedicated to occupational medicine. The programme emphasise classroom teaching as well as practical and clinical experience, which are necessary for acquiring the relevant competencies in the profession. With small class sizes, we encourage direct interactions between participants and teachers.

## **Who Should Apply**

The target candidates are medical doctors who are committed to practising occupational medicine in the occupational health facilities of the government and in the community.

## **Aims and Features**

The aim of programme is to provide training in occupational medicine for Hong Kong's medical profession at an advanced level, so that graduates are:

- Proficient in the knowledge and skills required to practise occupational medicine; and
- Suitably prepared for the Intermediate and Exit Examinations in Occupational Medicine of the Hong Kong College of Community Medicine.

Graduates of the programme will have acquired the knowledge and skills needed to practise occupational medicine in the occupational health facilities of the government and in the community.

## **Programme Structure**

The programme comprises 120 teaching hours and 40 hours for the completion of practical coursework. The satisfactory completion of the course (which includes completing the practical coursework and passing the assessment tests at the end of each module) counts towards 160 credit hours (15 Units).

### **The modules:-**

	<b>Code</b>	<b>Title</b>	<b>Units</b>
<b>Year 1</b>	PBH7301-OHS5001	Fundamentals of Occupational Health	3
	PBH7311-OMD5002	Principles and Practice of Occupational Medicine	6
	PBH7312-OMD5003	Practical and Project Work in Occupational Medicine	6
<b>TOTAL UNITS</b>			<b>15</b>

### **Core Courses:-**

#### **PBH7301-OHS5001 Fundamentals of Occupational Health (3 Units)**

A basic course for students intending to study any discipline of the occupational health sciences. General basic principles in the practice of occupational health and hygiene will be introduced. Other topics include applied toxicology, physical hazards, chemical hazards, biological hazards, ergonomics, and occupational psychology.

#### **PBH7311-OMD5002 Principles and Practice of Occupational Medicine (6 Units)**

This is the follow-up to course PBH7301-OHS5001, for medical doctors who want to specialise in the discipline of occupational medicine. A systematic approach to the study of occupational diseases and work-related health problems will be introduced, and practical management problems in occupational medicine will be covered.

*Prerequisite: PBH7301-OHS5001 Fundamentals of Occupational Health.*

#### **PBH7312-OMD5003 Practical and Project Work in Occupational Medicine (6 Units)**

Each student is required to complete a number of practical and project assignments related to the practice of occupational medicine. The assignments include workplace health hazard evaluations, clinical case reviews, and their associated reports, as well as practical problem-solving projects under different scenarios in occupational health settings. Students will need to demonstrate competency in utilising the knowledge and skills acquired during the diploma programme. Presentations in class and written reports will be required for the assessment of performance in this module.

### **Teaching Format**

The teaching format will include lectures, tutorials, project work, literature reviews, critical appraisals, and visits. The medium of instruction is English.

### **Teaching Faculty**

External specialist lecturers will be invited as required to complement existing expertise within the Department of Community and Family Medicine. These lecturers will be from departments of the Faculty of Medicine at the CUHK, as well as other faculties. Experts from the Department of Health, the Labour Department, and other tertiary institutions will also be invited to join the teaching faculty.

### **Duration / Modes of Study / Tuition Fees**

<b>Duration</b>	<b>Mode of Study</b>	<b>Tuition Fees</b>
9 months	Full-time	HK\$39,000
1 year	Part-time	HK\$39,000

### **Recognition of the Programmes**

The Postgraduate Diploma of Occupational Medicine, PgDOM (CUHK) is quotable qualification approved by the Hong Kong Medical Council.

### **Course and Unit Exemptions**

Graduates from the Diploma in Occupational Medicine programme at the Department of Community and Family Medicine, who want to undertake further studies through the Postgraduate Diploma in Occupational Medicine, may apply for unit exemptions.

### **Graduation Requirements**

Student performance is assessed on a course-by-course basis. Students are required to attend at least 80% of the lectures, seminars, tutorials, and practical sessions, and obtain a

‘satisfactory pass’ in the assessment of each module, with a cumulative overall GPA of at least 2.0.

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