

**RECOGNITION**

The Medical Council of Hong Kong recognises both the Master of Science and Postgraduate Diploma degrees in Epidemiology and Biostatistics as notable qualifications. Continuing Medical Education (CME) credits for non-specialists can also be obtained.

**PROGRAMME OVERVIEW**

Epidemiology and biostatistics have been gaining increasing worldwide prominence as cutting-edge disciplines of medical research. Today, both clinical and non-clinical health professionals need to provide evidence-based decisions for patient care, public health interventions and public health policies. The courses aim to provide comprehensive training in the design, conduct, and analysis of clinical and non-clinical health research and to interpret and use findings from such studies for patient care and policy making. Since there is emphasis on clinical epidemiology and interpretation of epidemiological research results, the courses are also particularly popular for those who wish to master critical appraisal skills for evidence-based medicine.



**ACADEMIC YEAR CALENDAR**

Period	Academic Calendar
Term 1	September - December
Term 2	January - March
Term 3	April - June
Summer Term	July

**ADMISSION REQUIREMENTS**

There will be no entry examinations but applicants must meet the following criteria:

- Bachelor's honours degree (normally not lower than second-class lower division honours, or B grade)
- Fulfil the general qualification for admission and English Language Requirements as stipulated on the CUHK Graduate School website



<b>Master of Science in Epidemiology and Biostatistics</b> 1 year (Full-time) Full-time HKD 176,400 Part-time HKD 88,200 / year 2 years	<b>Postgraduate Diploma in Epidemiology and Biostatistics</b> 10 months (Part-time) Part-time HKD 88,200 10 months
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**STUDY PERIOD**

**TUITION FEES**

**PROGRAMME STRUCTURE**

MSc	PgD
1 year full-time / 2 years part-time	Required Credit Units : 18
Introduction to Biostatistics	3
Linear Models	2
Categorical & Survival Data Analysis	3
Introduction to Epidemiology	3
Epidemiological Study Designs	2
Analysis of Epidemiological Data	3
Protocol Development I	1
Protocol Development II	1
Topics in Linear Models	2
Clinical Trials	1.5
Appraisal of the Methods of Epidemiological Studies	2
Selected Topics in Epidemiology	1.5
Publishable Research Thesis	8
Elective courses	3

▲ To be taken in the first year of study for MSc (Part-time) students  
 ▼ To be taken in the second year of study for MSc (Part-time) students  
 • Teaching sessions take place over three terms in an academic year. Additional symposia, seminars and workshops are also offered as non-compulsory sessions to allow more exposure to advanced or related topics. The lesson is usually held in the JC School of Public Health building at the Prince of Wales Hospital and the main campus of The Chinese University of Hong Kong.

**POSTGRADUATE DIPLOMA IN EPIDEMIOLOGY AND BIOSTATISTICS**

JC School of Public Health and Primary Care The Chinese University of Hong Kong



**WHO SHOULD APPLY**

- Those planning to conduct applied clinical and health research such as surveys, clinical trials, observational studies, and systematic reviews in order to address practical issues in health care
- Those needing to interpret and apply research findings for evidence-based patient care and health-related decision making
- Those seeking biostatistics proficiency for application to lab-based biomedical research or epidemiology research

**HOW TO APPLY**

Applications can be submitted via the Graduate School online application system at <http://www.gs.cuhk.edu.hk>

\*International students are advised to apply as early as possible as visa applications can take a considerable length of time

**CAREER BENEFITS**

Our programmes have been cited as being greatly instrumental to our students' career development. Many graduates have advanced to senior clinical, research, academic and administrative positions after completing our programmes. Some of our graduates have changed to research careers in academic and governmental organisations while others have continued onto doctoral studies. The majority of our past students have been:

- Clinicians (including clinical professors)
- Allied health workers
- Physiotherapists
- Public health professionals
- Health managers
- Professionals from the pharmaceutical field
- Nurses
- Laboratory technicians



**MASTER OF SCIENCE IN EPIDEMIOLOGY AND BIOSTATISTICS**

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JC School of Public Health and Primary Care The Chinese University of Hong Kong

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Programme Director:  
Professor Samuel WONG

Programme Co-Director:  
Professor Jean KIM  
Professor Maggie WANG

Assistant Programme Director:  
Professor Joey YANG



I found the structure of the courses is reasonable and the objectives are quite clear and definite. More importantly, the postgraduate programme provided theoretical knowledge for my current job, which focuses on the statistical issues of clinical trials. In addition, the great deal of library sources acted as supplement for the lectures. And I have to mention that the professors and tutors helped us a lot in our study and thesis.

**Ms Zhen-zhen LIANG**  
Statistical Programmer,  
Statistical Programming,  
PARAXEL International

Samples and populations; statistics and its interpretation – these were what I learnt 10 years ago, and I still find them immensely useful in reading medical literature. Equipped with this knowledge I was able to explore a whole new world of 'macro-medicine', especially in cancer epidemiology. My understanding of epidemiology and statistics were indispensable tools in past years, during my work as the Director of the Hong Kong Cancer Registry.

**Dr William FOO**  
Specialist in  
Clinical Oncology, Director,  
Radiotherapy and Oncology Centre,  
Hong Kong Baptist Hospital

This Master's program provided theoretical knowledge of Epidemiology and Biostatistics. Through one year's study, I have learned both key concepts and the applications of those concepts which had been ignored in my previous study. Under the help of dedicated professors, tutors and coordinator, I can continue my academic career now. I strongly recommend this program to all interested students.

**Ms Xiao-ran HAN**  
PhD Candidate,  
JC School of Public Health  
and Primary Care,  
CUHK

# SHARING OF LEARNING EXPERIENCE

**Dr Kin-sun TSE**  
Associate Consultant,  
Department of Radiology and Imaging,  
Queen Elizabeth Hospital

This Postgraduate Diploma course in Epidemiology and Biostatistics has been a precious learning experience! Biostatistics has been a difficult topic in the medical curriculum. This course has equipped me with the key concepts and technical tools in epidemiology and biostatistics. Through different learning modes in this course, namely lectures, small group tutorials, computer workshops, assignments and protocol design, I have put the theories and principles into practice. In the era of evidence-based medicine, this course has laid the foundation for critical appraisals and decision making in daily clinical practice, as well as study design and statistical analysis in research. It also provides the basis for public health-related studies and career development. I have no hesitation in recommending this course to all medical and para-medical colleagues, and those who are interested in this field!

**Dr James CHOW**  
Associate Consultant,  
Department of Clinical Oncology,  
Queen Elizabeth Hospital

This course provides comprehensive coverage from basic to advanced topics in epidemiology and biostatistics. The course components were flexible and tailored for individual needs, all study materials were well thought out and organised. As a clinician, I found the whole programme exceedingly relevant to my practice. Not only did it greatly improve my critical appraisal skills, it also equipped me with broad but in-depth knowledge in the design and conduct of biomedical research. I was pleasantly surprised by the enthusiasm of the teaching faculty - all professors and instructors were passionate and highly attentive to students' needs. I highly recommend this course to any healthcare professionals who are interested in further academic pursuit in this field.