Staff

Prof. HUANG Bo (Programme Director)
Professor, Department of Geography and Resource Management, The Chinese University of Hong Kong
Associate Director, Institute of Space and Earth Information Science, The Chinese University of Hong Kong

Dr. CHEN Yongqi
Professor Emeritus, Department of Land Surveying and GeoInformatics, The Polytechnic University of Hong Kong

Prof. CHEN Yongqin, David
Professor, Department of Geography and Resource Management, The Chinese University of Hong Kong

Prof. HE Ying, Sylvia
Assistant Professor, Department of Geography and Resource Management, The Chinese University of Hong Kong

Dr. HUANG Yefang, Lucy
Senior Lecturer, Department of Geography and Resource Management, The Chinese University of Hong Kong

Prof. LEUNG Kwong Sak
Professor, Department of Computer Science and Engineering, The Chinese University of Hong Kong

Prof. LEUNG Yee
Research Professor, Department of Geography and Resource Management, The Chinese University of Hong Kong
Director, Institute of Future Cities, The Chinese University of Hong Kong

Prof. LIN Hui
Professor, Department of Geography and Resource Management, The Chinese University of Hong Kong

Director, Institute of Space and Earth Information Science, The Chinese University of Hong Kong

Dr. WONG Kwan Kit, Frankie
Lecturer, Department of Geography and Resource Management, The Chinese University of Hong Kong

Prof. YIM Hung Lam, Steve
Assistant Professor, Department of Geography and Resource Management, The Chinese University of Hong Kong

Tuition Fee

Please refer to the homepage of CUHK Graduate School (http://www.gs.cuhk.edu.hk/) for detailed information on tuition fee. Tuition fee will be collected in two installments per year.

Scholarship

Outstanding applicants admitted to the programme will be considered for an admission scholarship. Please refer to the homepage of Department of Geography and Resource Management (http://www.grm.cuhk.edu.hk/eng/prog/postgrad/_gis.html) for the latest information.

Application Procedures

Applicants can submit applications via the Internet through CUHK Graduate School (http://www.gs.cuhk.edu.hk/page/ApplicationforAdmission).

Application Deadline

End of April each year

Enquiries

For further information, please contact:
Master of Science in Geoinformation Science
Department of Geography & Resource Management
Room 220, Wong Foo Yuan Building
The Chinese University of Hong Kong
Shatin, New Territories, Hong Kong

Tel: (852) 3943 8085

Fax: (852) 2603 5006

Email: MScGIS@cuhk.edu.hk

Homepage: http://www.grm.cuhk.edu.hk

Introduction

Geoinformation Science is an inter-disciplinary field that involves earth science, information science, and system science. Its focuses are the information of the atmosphere, hydrosphere, lithosphere and biosphere and more specifically their formation, changes and interrelations.

With the human-land relationship as the theme, with catering for global change research and regional sustainable development as the objective, geoinformation science integrates satellite application, remote sensing, geographic information system, computer-aided design and cartography, multi-media and virtual reality techniques and the internet to establish a scientific structure for high-speed information digitization and effective resource management.

In view of the above-mentioned facts, the present programme is designed to provide a solid conceptual framework and technical know-how for practicing professionals and officials by enhancing their skills and equipping their hands-on experience. It will also introduce the state-of-the-art geo-spatial information technologies and provide students with the capability to manage and apply the latest technologies to solve real life problems.

The Department of Geography & Resource Management, The Chinese University of Hong Kong and Divison of GeoInformation Science, Institute of Space and Earth Information Science jointly offer two postgraduate programmes in geoinformation science. Students can study in either full-time or part-time modes.

Department of
Geography and Resource Management

/ Master of Science in Geoinformation Science /

(1-year full-time / 2-year part-time)

Accredited by the Royal Institution of Chartered Surveyors (RICS)

RICS

GEOGRAPHY & RESOURCE MANAGEMENT 地理與資源管理學系

香港中文大學
The Chinese University of Hong Kong

Objectives

The objectives of the programmes are:

- To provide a solid conceptual framework and technical know-how in geoinformation science and technologies.
- To introduce the state-of-the-art geoinformation science and technologies and provide students with the capability to manage and apply the latest technologies in real life scenarios.

Upon completion of the programmes, students should possess:

- Sufficient knowledge and experience in various fields of geoinformation science particularly GIS, remote sensing, spatial decision support systems, multimedia and virtual reality techniques.
- Technical know-how for applying geoinformation science in solving decision problems with which they can contribute effectively and take a leading role in the industry / profession.

Programme Structure

The full-time MSc programme will cover one year with three semesters.

The part-time MSc programme will cover two years with two semesters in the first year and three semesters in the second year.

The programmes will be offered as:

Study mode	First Year			Second Year		
	Semester			Semester		
	1st (Sep-Dec)	2nd (Jan-Apr)	3rd (May-Aug)	1st (Sep-Dec)	2nd (Jan-Apr)	3rd (May-Aug)
Full-time	4 courses	4 courses	Thesis			
Part-time	2 courses	2 courses		2 course	2 courses	Thesis

Courses Offered for Full-time and Part-time MSc Programme

	Credit
GISM5011 Geographic Information Systems ^*	3
GISM5012 GIS-T and Logistical Information Management ^	3
GISM5022 Digital Remote Sensing Image Analysis ^*	3
GISM5023 Applied Remote Sensing ^	3
GISM5024 Global Positioning Systems	3
GISM5033 Spatial Decision Support System ^	3
GISM5035 Urban Environmental Modeling and Simulation	3
GISM5053 Design and Implementation of Geographical Information Systems	3
GISM5060 Statistical Analysis of Geographical Data ^	3
GISM5065 Geospatial Big Data for Urban Planning	3
GISM6061 Thesis ^	4
Total Number of Credits	34

^ Required courses

* GISM5011 and GISM5022 are elementary courses that should preferably be taken in the first study year for part-time students.

For MSc programme, the total number of credits required for graduation is 28.

Who Should Apply?

Anyone working in geoinformation science and technology and its applications, government agencies and private sectors in Asian countries will find the programme useful. Professionals related to geo-technical engineering, urban planning, natural resource management, environmental monitoring and assessment, disaster monitoring and management, infrastructure and facility management, logistical facility monitoring and information management will find the programme highly relevant to their work.

Qualifications for Admission

Applicants shall have graduated from a recognized university and obtained a Bachelor's degree. Those who expect to obtain a Bachelor's degree in the current academic year may also apply for admission.

All students should fulfill the English Language Proficiency Requirement prescribed below before they are admitted:

- Possess a pass grade in English in one of the following examinations:
  - Hong Kong Advanced Level Exam. (AS Level);
  - Hong Kong Higher Level Exam;
  - CUHK Matriculation Exam; or
- Achieve Level 4 or above in the English Language subject of the Hong Kong Diploma of Secondary Education (HKDSE) Examination; or
- Submit one of the following original score reports/certificates for assessment by the programmes concerned:
  - TOEFL (normally not lower than 550 for paper-based and 79 for internet-based);
  - IELTS (Academic) (normally not lower than Band 6.5);
  - GMAT (Verbal) (normally not lower than 21); or
- Have a degree from a university in Hong Kong or an English speaking country; or
- Have obtained a recognized professional qualification awarded in Hong Kong or an English speaking country.