

The Chinese University of Hong Kong
BSSc Degree in Geography and Resource Management



香港中文大學
The Chinese University of Hong Kong

香港中文大學
地理與資源管理學系
學士學位課程

Handbook
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Geography is a comprehensive discipline which is not only intellectually exciting, but also highly practical. It helps us understand a wide variety of complicated problems of enormous importance to resource management, environmental protection and socio-economic development, and explore solutions for urban and regional sustainability.

地理學是一門既生動有趣又非常實用的綜合性學科，幫助我們了解當今世界紛繁複雜的資源、環境、社會和經濟發展等重要問題，探索城市與區域可持續發展的方法。

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Introduction

引言

Geography is more than maps, place names and rock types. In fact, geography is so much more than just locations and facts. It is a multidisciplinary subject encompassing diverse knowledge within social and natural sciences. It emphasizes the study of interactions among human activities and the natural environment, and many factors contributing to socio-economic, environmental and resource management problems as well as their solutions.

Resources have always been a central focus of interest in geography. Understanding, utilizing and managing resources in a geographical context are crucial for the betterment of humankind. Our modern society in the age of globalization faces many great challenges, such as resource depletion, population explosion, environmental pollution, and climate change. Geographical science and geoinformation technology can play a vital role in understanding these issues and finding solutions for the sustainable development of human society. Our programme of studies aims to equip students with knowledge and skills in geography and resource management and thus to help them better prepare for a career and professional development after graduation.

The mission of our Department is to equip students with geographical knowledge and skills with an emphasis on effective resource management pertinent to the sustainable development of the human race. “Resources” cover all kinds of natural and environmental resources, while “management” focuses on their spatial monitoring, assessment and analysis, optimal allocation and utilization.

地理學不只與地圖、地名和石頭種類有關。其實地理學蘊含更廣泛的意義。它是一門跨學科、包含廣闊社會和自然科學知識的學問。地理學側重研究人類活動與自然環境之間的互動關係，並探討導致各種社會、經濟、環境和資源管理問題的原因及其解決方法。

資源歷來都是地理學研究和應用的重點。運用地理學角度去理解、利用和管理資源對於人類的福祉非常重要。全球化時代的現代社會面臨著種種巨大挑戰，例如資源耗盡、人口爆炸、環境污染和氣候變化。地理科學和地理信息技術對了解這些問題和尋找人類社會可持續發展的出路發揮著重大作用。本系課程旨在培養學生在地理和資源管理學方面的知識和技能，從而使他們在畢業之後更好地擇職、就業和服務社會。

本系的任務和使命在於拓展和傳授地理學的知識和技能，尤其強調如何通過有效的資源管理從而達致人類可持續發展的目標。「資源」包括所有的自然與環境資源，而「管理」則集中於對這些資源的空間監察、評估和分析、最優分配和利用。

Geography and Our World

地理學與我們的世界

To help you understand more about geography and resource management, this section briefly highlights the latest developments in the following areas:

為了增加你對地理與資源管理學科的認識，請細閱以下範疇最新發展的簡介：

Geoinformation Science
地理信息科學

Human and Physical Environment
人類與自然環境

Urban Planning
城市規劃

Ecotourism and Sustainable Tourism Development
生態旅遊和可持續旅遊發展

Regional Development of Hong Kong and Mainland China
香港與中國內地的區域發展

Carbon Neutrality and Resource Management
碳中和與資源管理

Smart Sustainable Cities
永續・智慧城市

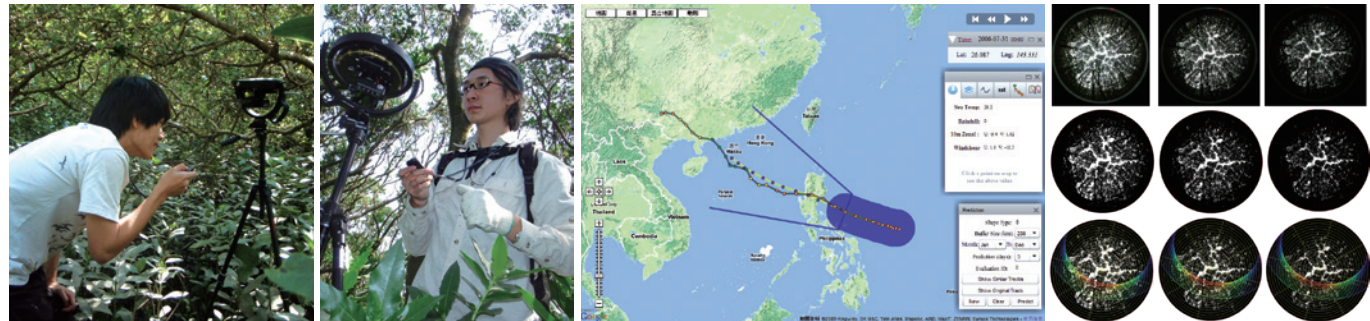
Geoinformation Science

地理信息科學



Our daily lives are made more convenient with the advent of modern IT. The internet, mobile phones, digital cameras and tablets are so appealing that they have utterly transformed the way we live, play, work and study. The study of geography has also benefited from these trends with the development of geographic information science. Supported by this new science is geographic information system (GIS), which can be utilized for addressing various questions and making decisions. A vivid example is the use of maps and human mobility data in assessing the effect of public health interventions against COVID-19. GIS is also used to present and visualize abstract ideas or phenomenon. For instance, can you imagine noise being colored and presented as 3D models? In reality, many government departments are using GIS to plan cities, protect the environment and manage ecological resources. Many students are fascinated by the power of GIS in making geographical studies so enjoyable.

現代信息科技為我們的生活帶來無比方便。互聯網、手機、數碼相機、平板電腦等移動設備與信息科技確是引人入勝，也改變了我們的生活、遊戲、工作和學習的模式。地理學也得益於這科技潮流，發展了地理信息科學。與其相關的地理信息系統（GIS）可用於解決多種問題和幫助決策。在抗擊新冠疫情中，地圖與人群移動數據就被用來評估各種公共衛生防疫措施的效果。GIS也可用來表達一些抽象的概念或現象，有沒有想像過噪音原來可以是一個彩色繽紛的立體模型呢？在現實中，很多政府部門都用GIS來規劃城市、保護環境和管理生態資源。不少同學都認同地理信息科學令地理學習更有趣。



Contradictions always exist in the relations between human beings and physical environment. It is often difficult to maintain a harmonious human-nature relationship which is vital for the development and future of human society. On the one hand, it is necessary for human to rely on natural resources and environment for survival and development. On the other hand, they have been facing threats from excessive and abusive use of natural resources, as well as episodes of natural hazards including earthquake, volcanic eruption, flooding, typhoons, drought and tsunami. As a consequence of rapid economic development and population growth, environmental quality has been deteriorating and natural resources are being depleted, leading to many environmental problems such as global warming, ozone layer depletion and soil erosion. These are concrete examples alerting us on the bad consequences caused by human activities.

Thus, the harmony between human beings and physical environment as well as the mitigation of natural hazards are two important issues that we must face and handle seriously. Our students will be exposed to advanced study of many subjects

and disciplines dealing with water, soil, landscapes, vegetation, etc. These subjects and disciplines include hydrology, geomorphology, pedology, biogeography and climatology. Knowledge gained from these subjects are useful for further understanding of environmental problems and resource management in Hong Kong and around the world. Efforts to minimize threats from natural hazards and impacts caused by human activities will enable us to put our development on a sustainable track.

In this context, GRM offers many courses that are relevant to the physical and environmental systems including Weather and Climate, Geomorphology, Soil Science, Environmental Management, Urban Environmental Problems, Ecosystem Restoration and Management, Hydrology and Water Resources and Environmental Planning and Assessment. Students are able to learn concepts and acquire skills that will help them develop their careers in various aspects of environmental resource management, as well as policy making in the pursuit of sustainable development.

Human and Physical Environment

人類與自然環境

人類和自然環境的關係，從來就是充滿著矛盾的。天人本應合一，但不時亦出現不和諧的局面。人類的生存和發展依賴自然資源與環境。同時，人類對自然資源的過度消耗和濫用，以及諸如地震、火山爆發、水災、風災、旱災、海嘯等自然災害，均會對人類的生存造成威脅。由於經濟急速發展和人口快速增長，環境質素持續惡化，自然資源也面臨枯竭。全球暖化、臭氧層變薄和水土流失等現象都是人類活動所帶來的惡果。

如何協調人類與自然的關係和預防自然災害是我們必須認真面對的難題。地資系的同學可鑽研針對水資源、土壤、景觀和植被等

議題的學科，包括水文學、地貌學、土壤學、生態學、生物地理學和氣候學。同學可運用多方面的專業知識探討環境與資源管理問題，減少自然災害對人類的威脅以及人類活動對自然環境所造成的損害，達至可持續發展的目標。地資系提供多個有關自然與環境系統的科目，包括天氣與氣候、地貌學、土壤學、環境管理、城市環境問題、生態系統修復及管理、水文與水資源和環境規劃與評估。同學在本課程中學到的知識和技巧，將有助他們畢業後擔任環境資源管理以及可持續發展的政策制定等工作。

Urban Planning 城市規劃



Urban planning is an important tool for allocating scarce resources to meet social, economic and environmental needs at different geographical scales. As a process of guiding the use of land and other resources, urban planning is closely related to the field of geography. Urban geography focuses on how people interact with the built environment, shaping unique spatial relationships and urban development trajectories. Economic geography helps students evaluate the roles of different international and local actors in shaping global, regional and urban development. The study of geography helps us identify the dynamic and complex forces underlying land use changes. It equips us with essential understanding of the spatial context that gives rise to various planning issues such as harbor reclamation, urban renewal and the challenge of sustainable urban development. Students can also take the planning workshop course to learn the essential skills for solving these complex urban problems.

城市規劃的主要任務是分配有限的資源，以滿足社會、經濟和環境在不同空間尺度上的需要。它作為指導土地和其他資源的運用的過程，與地理學科是息息相關的。城市地理學探討人與城市環境的互動，以及此互動如何塑造獨特的空間關係和城市發展軌跡。經濟地理學則幫助學生瞭解國際和城市層面的不同持份者如何塑造全球、區域和城市的發展。地理學可以幫助我們掌握空間發展規律，明白各種動態且複雜的力量如何重塑城市，並引發各種規劃議題，如填海、市區重建和城市可持續發展等。學生還可以選讀城市規劃工作坊，學習解決這些複雜城市問題的竅門。



Bird-watching in Mai Po, hiking in country parks, dolphin watching, snorkelling, scuba diving, and learning about nature... More and more Hong Kong residents are being attracted to nature-based leisure activities, signifying a new trend of people seeking a higher quality of life. But what exactly do we mean when we talk about “ecotourism” or “nature-based tourism”? What are the multidimensional impacts of tourism on destinations? And how do these forms of tourism connect to sustainable development?

Ecotourism, or nature-based tourism, has gained popularity not only in Hong Kong but also in mainland China and the rest of the world. It is a multidisciplinary subject that requires an integrated approach to understanding its various aspects. Geographers consider this type of tourism from economic, environmental,

social, and cultural perspectives. They explore how ecotourism can be properly planned and managed to achieve sustainable tourism development.

Our programme offers a range of courses that help students grasp the concepts of tourism geography and sustainable tourism. Through lectures, field trips, and projects, students learn to analyze Hong Kong’s potential for developing nature-based tourism in a sustainable manner. Many of our students have also chosen interesting topics in this field for their final year theses. If you are interested in learning more, we invite you to join us and embark on this exciting exploration!

到米埔觀鳥、往郊野公園遠足、乘船出海觀海豚、參加浮潛或海底潛水、認識大自然……追求生活質素成為新趨勢，愈來愈多香港人喜歡在閒暇時回歸大自然。我們在談論「生態旅遊」或「自然旅遊」時，這些概念意指什麼呢？旅遊對目的地有何多方面的影響？這類旅遊如何連結可持續發展？

生態旅遊或自然旅遊在香港、中國內地及世界各地已漸普及。然而，生態旅遊是一門跨學科的學

問。地理學家是如何從經濟、環境、社會及文化各方面去探討這類旅遊活動呢？如何妥善規劃及管理生態旅遊呢？實現旅遊可持續發展的關鍵是什麼？

地資系提供多個科目，讓學生充分了解旅遊地理和可持續旅遊這一門學問，透過課堂、實地考察、個案研習等，探討及分析香港開發可持續自然旅遊的潛力。不少同學亦選擇與生態旅遊相關之課題作為畢業論文的題材呢！你是否想了解旅遊學多一些？那麼，請加入地資行列，與我們一起去探索這門學科的奧秘吧！

Ecotourism and Sustainable Tourism Development 生態旅遊和可持續旅遊發展



Development in China has been a rapid but uneven process. The Pearl River Delta, Yangtze River Delta and Circum-Bohai Sea Region are the most economically advanced regions in China. As a world city, Hong Kong is an important bridge linking mainland China and the world, with important roles in the Belt and Road Initiative and the Guangdong-Hong Kong-Macao Greater Bay Area. Hong Kong's economy has been increasingly integrated with the cities in the Pearl River Delta region. The Guangdong-Hong Kong-Macao Greater Bay Area is becoming a world class city cluster and international innovation and technology hub. But rapid development has also resulted in many urban and regional problems that need to be solved by government officials, planners, NGOs and businessmen.

Graduates with training in geography and resource management develop a good understanding of the opportunities and challenges

arising from the rapid urban and regional development in Hong Kong and mainland China. This understanding is vital to many jobs in government departments, transnational corporations and NGOs in Hong Kong and elsewhere.

GRM offers many courses that are relevant to urban and regional development, such as Geography of China, Understanding Guangdong-Hong Kong-Macao Greater Bay Area, Sustainable Development, Urban Geography, Urban and Regional Planning, Urban Planning Workshop, World Development, Economic Geography, and Transport Geography. Fieldwork and projects are offered for students to experience and analyze urban and regional development. Another strength of our graduates is their ability to apply the concepts of sustainable development and competitiveness to interpret urban and regional issues.



中國的發展迅速但並不均衡。珠江三角洲、長江三角洲和環渤海地區是中國經濟最發達的地區。作為世界城市，香港是中國內地與世界的重要橋樑，在一帶一路與粵港澳大灣區發展中起重要作用。隨著香港與珠江三角洲日益融合與合作，粵港澳大灣區正在發展成為世界級城市群與國際科技創新中心。同時快速的區域發展也產生了眾多城市與區域問題，需要政府官員、規劃師、非政府組織與商界共同努力才能解決。

地資系畢業生對香港與中國內地的城市與區域發展帶來的機遇與

挑戰有深入理解，適合擔當香港乃至世界各地有關政府部門、跨國公司及非政府組織的工作。

本系的課程提供各類城市與區域發展科目，如中國地理、透視粵港澳大灣區、可持續發展、城市地理學、城市及區域規劃、城市規劃工作坊、世界發展透視、經濟地理學、運輸地理學等。這些科目通過實地考察和項目報告讓學生體驗並分析城市與區域發展的相關課題。地資系畢業生的另一個優勢是熟練運用可持續發展與競爭力的概念，探討城市與區域發展中的問題。

Our modern world is often defined by its modern use of natural resources. For Hong Kong with severe resource constraints, resource management is critical for her survival and prosperity in a rapidly changing world. Multiple oil crises in the past decades and widespread electricity shortages in developing countries exemplify the importance of secure and reliable energy supply, while the increasing global momentum toward carbon neutrality requires a fundamental transformation of present energy systems. Water is becoming a more and more important strategic resource in regional development and geopolitics. Nature provides several pivotal functions for the society and, partly via tourism, caters for economic and leisure activities.

Sustainable development cannot be achieved without sustainable resource management. Resource depletion could fundamentally threaten the very existence of a society. The uneven distribution of fossil fuel resources like coal, oil and natural gas across countries not only raises trade disputes and geopolitical risks, but also drives demand for sustainable energy such as wind and solar. The availability of water resources shapes the carrying capacity of a region. Meanwhile, the negative impacts on the environment have become increasingly serious. Emissions of air pollutants and significant water consumption associated with energy consumption deteriorate local and regional air quality and damage ecosystems. Carbon dioxide emissions from energy consumption are being held responsible for the alarming climate change based on sound scientific evidences.

Public policy plays an important role in resource management and environmental protection to minimize the negative impacts and maximize the positive ones. Courses and training in our department enrich students with knowledge on various natural resources and the methods, advantages and disadvantages of their utilization. Students will be exposed to different policy instruments to understand their application and design. Furthermore, a particular focus of the training will be on the skills of independent thinking and in-depth analysis to employ the knowledge for finding solutions to real-world problems of natural resources and the environment.

當今世界建構在對於自然資源的現代利用。香港資源極度短缺，資源管理對於她在快速變化的世界中生存和繁榮有著至關重要的作用。過去幾十年中的多次石油危機以及發展中國家普遍的電力短缺凸顯了安全可靠的能源供應的重要性，而全球逐漸加速的碳中和承諾意味著能源系統需要全面重構。水在區域發展和地緣政治中成為一種越來越重要的戰略資源。自然的諸多核心功能對於社會不可或缺，而相關的旅游發展則滿足經濟和休閒的需要。

可持續發展離不開可持續的資源管理。一方面，資源枯竭可以威脅一個社會的基本生存。化石能源如煤、石油和天然氣在世界各國的分佈並不平均，不但加劇貿易紛爭和地緣政治風險，也提升了風能和太陽能等對可再生能源的需求。水資源的多寡限制了一個地區的承載力。另一方面，人類活動對於環境的負面影響也變得越來越嚴重。能源使用牽涉排放污染物以及消耗大量水資源，會加劇空氣污染，損害生態系統。能源使用中產生的二氧化碳已經被證明是造成氣候變化的重要因素。

公共政策在減少資源使用的負面影響和加大正面影響方面扮演著重要的角色。本系的課程和訓練讓學生得以了解各種主要自然資源的相關知識，如何利用這些資源，以及利用它們的利弊等。學生也將接觸多種政策工具的應用和設計。同時，本系的課程與訓練也特別強調培養獨立思維和深度分析技巧，讓學生利用所學尋找現實世界中資源環境問題的解決方案。

Carbon Neutrality and Resource Management 碳中和與資源管理



Smart Sustainable Cities 永續・智慧城市

Accelerated globalisation and urbanisation have posed many challenges to cities, including resource depletion, climate change and socio-economic polarisation. The emerging digital revolution, if harnessed smartly, can contribute to a better understanding, analysis and resolution of such issues. Smart planning, smart transport and smart grid can lead to more efficient allocation of resources and reduced energy consumption and greenhouse emissions, thus ameliorating global warming and climate change. Big data analytics, crowd sourcing and social media could be essential platforms to promote the development of a more inclusive society, polity and economy. The ambitious programmes of building smart cities in Hong Kong, mainland China and many other countries involve new ethical and moral issues, giving rise to an urgent need to nurture talents who can employ creatively cutting-edge technologies and design thinking to plan, develop and govern our cities. Students taking this concentration will learn about theories, concepts, technologies and best practices of smart sustainable city development.

加速的全球化與城市化對城市帶來各種挑戰，當中包括資源枯竭、氣候變化，以及社會經濟兩極化等難題。目前興起的數字革命若應用得宜，將有助我們理解、分析和解決上述問題。當中，智慧規劃、智能交通和智能電網可以減少資源消耗和溫室氣體的排放，從而減慢全球暖化和氣候變化；大數據分析、眾包和社交媒體能促進共融社會、政治和經濟的發展。然而，在香港、中國內地，以至世界各地都積極推動智慧城市的同時，發展過程中引發的道德議題亦漸受關注。社會急需要培養能夠創新地運用尖端科技和設計思維於規劃、發展和管理城市的人才。修讀此專修範圍的學生將探討與智慧兼可持續城市相關的理論、概念、科技與應用。



Programme of Studies 課程綱要

Our department offers a full-time undergraduate programme with a curriculum which equips students with comprehensive knowledge and professional skills in geography and resource management. After completing all the credit unit requirements as listed on the next page, students will graduate with a degree of Bachelor in Social Science. The diagram on the right shows the major components of our departmental programme of studies and highlights their sequence from freshman year to graduation. Our teaching methods include not only traditional classroom lectures, but also small group tutorials, student presentations, case studies, and field study trips to local and non-local destinations.

Geography is a broad and integrated subject with many areas of specialization dealing with the physical environment and human society. Our curriculum maintains a good balance between the physical and human dimensions of geography. It also lays a strong emphasis on geoinformation techniques (such as GIS and remote sensing), as well as the topics of resource management and smart sustainable cities. As shown in the list of courses, our curriculum is divided into four concentration areas: (1) [Geo-spatial Data Science](#), (2) [Physical Environment and Resource Management](#), (3) [Smart Sustainable Cities](#), and (4) [Urban and Regional Development](#).

本系開辦全日制本科生課程，為學生提供全面的通才教育及地理與資源管理專業培訓。課程按學分制設計，下頁列出了修課學分要求。學生完成所有學分要求後，始准畢業並獲得社會科學學士學位。右圖顯示了本系課程的重點內容和學生從入學到畢業的修課順序。我們的教學模式除了傳統課堂教學外，還包括小組導修、學生報告、實驗、案例分析、境內外實地考察等。

地理學是一門全面與綜合的學科，涉及自然環境與人類社會的眾多專業領域。與此相應，本課程充分融合了自然地理與人文地理的專業內容，同時也十分強調地理信息技術（如地理信息系統與遙感）、資源管理和永續智慧城市等議題。如課程目錄所示，本課程分為四大專修範圍：（1）[地理空間數據科學](#)；（2）[自然環境與資源管理](#)；（3）[永續・智慧城市](#)；（4）[城市與區域發展](#)。

Year 1

Foundation Course (required)
基礎課程（必修）

Field Studies in Hong Kong
香港野外考察

Faculty Package Courses
學院課程科目

Year 2- Year 4

Major Required Courses
主修課程必修科目

Major Elective Courses
主修課程選修科目

Non-local Field Studies I & II
境外考察 I & II

Year 4

Capstone Final Year Thesis
畢業論文

Graduation Requirements 畢業要求

Major Programme Requirement

For graduation, students are required to complete at least 123 units of courses including:

- **Department Requirements (60 units)**
A minimum of 60 units of GRM major courses, consisting of 10 required courses of 24 units and 12 elective courses of 36 units
- **Faculty Requirements (9 units)**
3 faculty package courses of 9 units (offered by GRM and 2 other different departments/schools)
- **University Requirements (39 units)**
13 units of language courses (English and Chinese), 3 units of Digital Literacy and Computational Thinking course, 19 units of General Education courses, 2 units of Physical Education courses, 1 unit of Understanding China course, and 1 unit of Hong Kong in the Wider Constitutional Order course
- The remaining units in minor and/or elective courses of a student's own choice

Minor Programme Requirement

Students are required to complete a minimum of 18 units of courses, among which at least 6 units are at 3000 level or above.

主修課程要求

學生須至少修畢科目123學分，始准畢業。有關修讀科目及學分要求如下：

- **學系要求 (60學分)**
主修課程至少60學分，包括必修科目十科共24學分和選修科目十二科共36學分。
- **學院要求 (9學分)**
學院課程科目三科共9學分（由本系及本系以外兩個不同的社科學系/學院提供）。
- **大學要求 (39學分)**
語文科目（英文及中文）13學分、數碼素養及計算思維課程3學分、通識教育科目19學分、體育科目2學分、認識中國課程1學分，以及國家憲制秩序與香港課程1學分。
- 其餘學分由學生自行選擇。

副修課程要求

學生須至少修畢科目共18學分，其中至少6學分屬課程編號3000或以上。



Concentration Areas 專修範圍

Our curriculum is divided into four concentration areas:
本課程分為四大專修範圍：



Course List 課程目錄

Geo-spatial Data Science 地理空間數據科學

| | | |
|----------|----------------------------------------------|-------------|
| GRMD2102 | Fundamental Statistics for Geographers | 地理學統計初階 |
| GRMD2104 | Remote Sensing of Environment | 環境遙感 |
| GRMD2105 | Introduction to GIS | 地理信息系統導論 |
| GRMD3102 | Research Design and Methodology | 研究設計與方法 |
| GRMD3104 | Satellite Image Analysis | 衛星圖像分析 |
| GRMD3106 | Advanced GIS | 高級地理信息系統 |
| GRMD3108 | Cartography and Geovisualization | 地圖學及地理信息視覺化 |
| GRMD3403 | Methods for Resource Evaluation and Planning | 資源評估與規劃方法 |
| GRMD4101 | GIS Workshop | 地理信息系統工作坊 |
| GRMD4502 | Urban Big Data Analysis and Application | 城市大數據分析及應用 |
| GRMD5110 | Statistical Applications in Geography | 地理學統計應用 |

Physical Environment and Resource Management 自然環境與資源管理

| | | |
|----------|--------------------------------------------------|---------------|
| GRMD1401 | A World of Diversity | 多元世界面面觀 |
| GRMD1402 | Global Change and Environmental Sustainability ^ | 全球變化與環境可持續性 ^ |
| GRMD1403 | Resources, Society and Environment | 資源、社會與環境 |
| GRMD2209 | Physical Geology | 自然地質學 |
| GRMD2221 | Weather and Climate | 天氣與氣候 |
| GRMD2401 | Sustainable Development | 可持續發展 |
| GRMD2402 | Natural Resource Management | 自然資源管理 |
| GRMD2403 | Nature Conservation in Hong Kong | 自然保育在香港 |
| GRMD3202 | Environmental Management | 環境管理 |
| GRMD3203 | Urban Environmental Problems | 城市環境問題 |

| | | |
|----------|----------------------------------------------|------------|
| GRMD3205 | Geomorphology | 地貌學 |
| GRMD3209 | Soil Science | 土壤學 |
| GRMD3224 | Tourism Planning and Management | 旅遊規劃與管理 |
| GRMD3403 | Methods for Resource Evaluation and Planning | 資源評估與規劃方法 |
| GRMD3404 | Natural Hazards and Human Responses | 自然災害與人類反應 |
| GRMD4202 | Hydrology and Water Resources | 水文與水資源 |
| GRMD4203 | Ecosystem Restoration and Management | 生態系統修復及管理 |
| GRMD4204 | Environmental Planning and Assessment | 環境規劃與評估 |
| GRMD4401 | Energy Resources for Carbon Neutrality | 碳中和時代的能源資源 |

Smart Sustainable Cities 永續・智慧城市

| | | |
|----------|---------------------------------------------|-------------------|
| GRMD2501 | Theory and Practice of Smart Cities | 智慧城市：理論與實踐 |
| GRMD3106 | Advanced GIS | 高級地理信息系統 |
| GRMD3203 | Urban Environmental Problems | 城市環境問題 |
| GRMD4502 | Urban Big Data Analysis and Application | 城市大數據分析及應用 |
| GRMD4503 | Smart City Policies and Governance | 智慧城市政策與治理 |
| URSP2800 | Urban Form, Sense of Place and Well-being # | 城市面貌，地方感和身心社靈健康 # |
| URSP2900 | Recommoning # | 共有資產的再思 # |
| URSP3600 | Designing Smart Cities # | 設計智慧城市 # |

Urban and Regional Development 城市與區域發展

| | | |
|----------|----------------------------------------------------------|------------|
| GRMD1003 | Understanding China through Cultural Landscape | 文化景觀 探識中國 |
| GRMD1301 | Understanding Guangdong-Hong Kong-Macao Greater Bay Area | 透視粵港澳大灣區 |
| GRMD1302 | People, Space and Place ^ | 人・空間・地方 ^ |
| GRMD1401 | A World of Diversity | 多元世界面面觀 |
| GRMD2303 | Urban Geography | 城市地理學 |
| GRMD2321 | Economic Geography | 經濟地理學 |
| GRMD2501 | Theory and Practice of Smart Cities | 智慧城市：理論與實踐 |
| GRMD3301 | Geography and China | 中國地理 |

| | | |
|----------|------------------------------------|-----------|
| GRMD3302 | Population and Migration | 人口與遷移 |
| GRMD3304 | Cultural Geography | 文化地理學 |
| GRMD3305 | Transport Geography | 運輸地理學 |
| GRMD3323 | Urban and Regional Planning | 城市與區域規劃 |
| GRMD4302 | Urban Planning Workshop | 城市規劃工作坊 |
| GRMD4402 | World Development | 世界發展透視 |
| GRMD4503 | Smart City Policies and Governance | 智慧城市政策與治理 |

Other Courses 其他科目

| | | |
|----------|--------------------------------------------------------|----------------|
| GRMD1001 | Field Studies in Hong Kong | 香港野外考察 |
| GRMD2001 | Non-local Field Studies I | 境外考察（一） |
| GRMD3001 | Non-local Field Studies II | 境外考察（二） |
| GRMD3002 | Field Studies in China | 中國野外考察 |
| GRMD3003 | Field Studies in Taiwan | 臺灣野外考察 |
| GRMD3004 | Field Studies in Southeast Asia | 東南亞野外考察 |
| GRMD3005 | Field Studies in Australia | 澳大利亞野外考察 |
| GRMD3006 | Field Studies in Europe | 歐洲野外考察 |
| GRMD3007 | Field Studies in North America | 北美洲野外考察 |
| GRMD3008 | Field Studies in Africa | 非洲野外考察 |
| GRMD4001 | Final Year Thesis I | 畢業論文（一） |
| GRMD4002 | Final Year Thesis II | 畢業論文（二） |
| GRMD4003 | Special Topics in Geography and Resource Management I | 地理與資源管理專題研習（一） |
| GRMD4004 | Special Topics in Geography and Resource Management II | 地理與資源管理專題研習（二） |

Faculty Package Courses 學院科目

| | | |
|----------|-------------------------------------|-----------|
| ARCH1001 | Introduction to Architecture # | 建築學導論 # |
| ARCH1002 | Understanding Cities # | 認識城市 # |
| COMM1110 | Media and Everyday Life # | 媒體・生活 # |
| COMM1120 | Development of Mass Communication # | 大眾傳播的發展 # |

| | | |
|----------|---------------------------------------------------------------|-------------------|
| COMM1150 | Introduction to Media Industries and Practices # | 媒體工業與實踐導論 # |
| DSPS1001 | Introduction to Policy Sciences # | 政策科學入門 # |
| DSPS1003 | Foundation of Data Science # | 數據科學基礎 # |
| DSPS1004 | Statistics for Data Science and Policy Studies # | 數據科學及政策研究的統計學 # |
| ECON1210 | Economics and Society # | 經濟學與社會 # |
| ECON1220 | Contemporary Economic Thinking # | 當代經濟思想 # |
| ECON2011 | Basic Microeconomics # | 基本個體經濟學 # |
| GLSD1001 | Introduction to Global Studies I # | 全球研究導論（一） # |
| GPAD1020 | Fundamentals of Government # | 政治學初基 # |
| GPAD1076 | Thinking Politically # | 政治思考 # |
| GPAD1077 | Critical Debates in Hong Kong # | 香港的重大爭辯 # |
| GRMD1302 | People, Space and Place ^ | 人・空間・地方 ^ |
| GRMD1401 | A World of Diversity | 多元世界面面觀 |
| GRMD1402 | Global Change and Environmental Sustainability ^ | 全球變化與環境可持續性 ^ |
| PSYC1000 | General Psychology # | 心理學概論 # |
| PSYC1630 | Communication for Healthy Relationship # | 溝通與良好人際關係 # |
| SOCI1001 | Introduction to Sociology # | 社會學導論 # |
| SOCI1201 | Hong Kong Society: Identities and Boundaries # | 香港社會：身份與界限 # |
| SOSC1001 | Design Thinking in Social Innovation # | 社會創新中的「設計思維」 # |
| SOSC1002 | Managing Creativity and Group Dynamics in Innovation Teams # | 創新團隊：管理創意與團體動力學 # |
| SOWK1001 | Introduction to Social Work and Social Welfare # | 社會工作及社會福利導論 # |
| SOWK1113 | Self-Development in the Changing Society # | 社會轉變中的自我發展 # |
| SOWK1114 | From Understanding to Empowering the Socially Disadvantaged # | 弱勢社群：從認識到增權 # |
| URSP1001 | Introduction to Urban Studies # | 城市研究導論 # |
| URSP1002 | Urban Studies in a Nutshell # | 城市「多面體」 # |

Offered by other academic units 由其他學術部門提供
^ Not applicable to GRM major students 不適用於地資系主修生

Admission Requirements

JUPAS Applicants

From 2024 entry, the minimum requirements to apply are to have taken 4 core and 2 elective subjects, with the minimum achievements for the 4 core subjects of Chinese Language, English Language, Mathematics, Citizenship and Social Development and the 2 New Senior Secondary (NSS) elective subjects being levels 332A33 in the Hong Kong Diploma of Secondary Education Examination (HKDSE) respectively. Applicants' performance in their best five subjects will be considered in the selection process, and bonus points will be awarded to additional subjects.

| Subject | Level |
|------------------------------------|--------------|
| Chinese Language | 3 |
| English Language | 3 |
| Mathematics | 2 |
| Citizenship and Social Development | A (Attained) |
| 2 Elective Subjects | 3 |

Applicants shall be considered on the basis of the results they obtained in HKDSE, and their extra-curricular achievements. If they are invited to attend an interview, their performance at the interview will also be taken into consideration.

- **Admission Scores and Grades (HKDSE)**
<http://admission.cuhk.edu.hk/jupas/requirements.html>
(Refer to "Programme Requirements")
- **Weighting of Different Subjects**
English Language x1.5, Geography x1.5, Chinese Language x1, Mathematics x1, other New Senior Secondary (NSS) elective subjects x1.

Non-JUPAS Applicants

Applicants with other qualifications (for example, GCE AL/ International AL, IB, high school diploma plus SAT/ ACT/ AP in USA, OSSD/ BC diploma in Canada, ATAR in Australia, UEC/ STPM in Malaysia, AISCCE (CBSE)/ ISC in India, SMA in Indonesia, Associate Degree/Higher Diploma) should apply for admission through non-JUPAS.

For details, please visit the website of Office of Admissions and Financial Aid at <http://admission.cuhk.edu.hk>



入學成績要求

大學聯招生

由2024年起，入學申請最低要求為四個核心科目另加兩個選修科目。四個核心科目：中國語文、英國語文、數學及公民與社會發展和兩個選修科目於香港中學文憑考試的最低等級要求分別為332A33。申請人最佳5科成績會予以考慮，而額外選修科目可獲加分。

| 科目 | 等級 |
|---------|--------|
| 中國語文 | 3 |
| 英國語文 | 3 |
| 數學 | 2 |
| 公民與社會發展 | A (達標) |
| 兩個選修科目 | 3 |

申請人在香港中學文憑考試所取得的成績和其課外活動的成績就是收生的重要考慮因素。申請人若被邀請出席面試，其面試表現亦會予以考慮。

- **入學成績（香港中學文憑考試）**
<http://admission.cuhk.edu.hk/jupas/requirements.html>
- **不同科目的比重**
四科必修科的比重分別為：英國語文x1.5，地理x1.5，中國語文x1，數學x1，其他選修科的比重為x1。

非大學聯招生

持有香港中學文憑以外資歷（例如GCE AL/International AL、IB、美國高中文憑及SAT/ACT/AP、加拿大OSSD/BC diploma、澳洲ATAR、馬來西亞UEC/STPM、印度AISCCE (CBSE)/ISC、印尼SMA、副學士/高級文憑等）的學生，須循非聯招方法申請入學。

詳情請參閱入學及學生資助處網頁：
<http://admission.cuhk.edu.hk>



Field Studies 野外及實地考察

Field teaching is an integral part of geography. Under the supervision of faculty members, students have many opportunities to conduct field research in Hong Kong and beyond. Such experience can enhance students' understanding of real-world problems and supplement what they have learnt in class. At the same time, it strengthens the relationship between teachers and students. In recent years, our students have visited places in the mainland China, North America, Europe, Africa, Australia and South-East Asia.

野外工作與實地考察是研習地理的重要方法之一。老師每年數次帶領學生在本港及其他地區進行野外考察與實習，使同學們對各種地理現象和問題有更深入的了解及體會，拓寬世界視野，同時亦加強師生關係和溝通。近年同學們曾到過中國內地、北美、歐洲、非洲、澳洲及東南亞等地作實地考察。



Facilities 教研設施

The Department maintains well-equipped laboratories and other facilities for teaching and research purposes.

Laboratories:

- Spatial Analysis and Intelligence Laboratory
- Wong Chun Hong Smart City Laboratory
- Soils and Geomorphology Laboratory
- Environmental Laboratory
- Hydrology and Climatology Laboratory
- Landscape Laboratory
- Earth Resources Laboratory
- Air Quality Monitoring Station
- Automatic Weather Station
- Greenhouse
- Rainfall Simulator

Other facilities:

- Reference Room
- Maps Room (with an extensive collection of local and overseas maps)

本系擁有多個設備完善的實驗室和設施，以供教學和研究之用。

實驗室：

- 空間分析與空間智能實驗室
- 黃俊康智慧城市實驗室
- 土壤及地貌實驗室
- 環境實驗室
- 水文與氣候實驗室
- 景觀實驗室
- 地球資源實驗室
- 空氣質素監測站
- 自動氣象站
- 溫室
- 降雨模擬實驗室

其他設施：

- 資料室
- 地圖室（收藏豐富的本地和海外地圖）



Scholarships and Bursaries

獎學金及助學金

With generous donations from our alumni and institutions, the Department offers a number of scholarships to award students with outstanding academic performance; to subsidise students who are financially in need and also to encourage and support fieldwork in postgraduate researches. Scholarships and bursaries for students majoring in Geography and Resource Management (2023-2024) include:

- CUGMAA Research Scholarship
- Dr. Tam Sai-wing Prize in Physical Geography
- Dr. Tam Sai-wing Research Scholarship
- Esri China (HK) Scholarship
- Lam Chiu Ying Final Year Thesis Prize
- Lam Chiu Ying Outstanding Student Award
- Lam Chiu Ying Bursaries
- Leung Ping Chung Admission Scholarship
- Mr. and Mrs. Guo Ziwen Bursaries
- Royal Geographical Society-Hong Kong Scholarship
- Vic Ho Bursaries
- Vinda Environmental Conservation Scholarship



有賴多位熱心的畢業生和機構的慷慨捐款和支持，學系設立多個獎學金及助學金，頒發給成績優異的學生，援助有財政困難的學生，並鼓勵及支持研究生的實地考察工作。以下是2023-2024年度獎學金及助學金的名單：

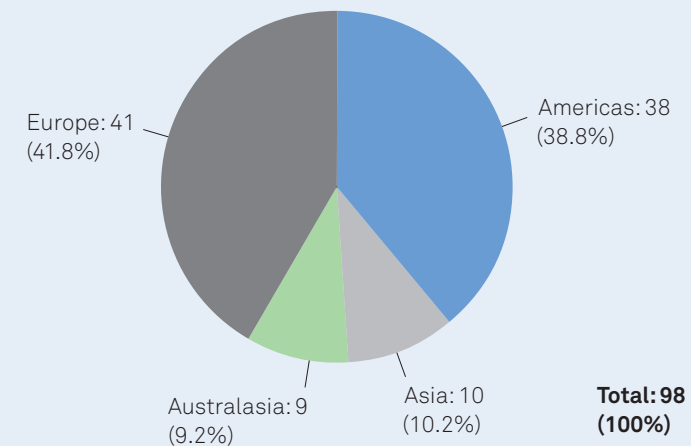
- 中大地資系校友會研究獎學金
- 譚世榮博士自然地理學獎
- 譚世榮博士研究獎學金
- Esri中國（香港）獎學金
- 林超英畢業論文獎
- 林超英優秀學生獎
- 林超英助學金
- 梁秉聰入學獎學金
- 郭梓文、江敏兒伉儷助學金
- 皇家地理學會香港獎學金
- 何永恆助學金
- 維達環境保育獎學金

Exchange Opportunities

交換生計劃

The Department encourages students to participate in exchange programmes in order to enhance their all-round development. Through exchange programmes, students can immerse themselves in a different culture, meet people from around the globe, learn from new perspectives and improve language skills while studying in the exchange partner institutions. Below is the list of exchange partner institutions that our students have visited or planned to visit through the programme in 2016-2024:

學系致力鼓勵學生參加交換生計劃，以達至全人發展。通過交換生計劃，學生可在夥伴院校上課，置身在不同文化的學習環境中，認識來自世界各地的同學，從而擴闊眼界、學習新思維，同時亦能有效地改善語言技巧。以下是2016-2024年本系學生透過計劃所到訪的大學：



Americas

- American University
- George Washington University
- McGill University
- Northeastern University
- Occidental College
- Queen's University
- Rensselaer Polytechnic Institute
- San Diego State University
- Tecnologico de Monterrey
- University of Calgary
- University of Hawaii at Manoa
- University of Illinois at Urbana-Champaign
- University of Massachusetts Amherst
- University of Miami
- University of Ottawa
- University of Pennsylvania
- University of Redlands
- University of South Carolina
- University of Tennessee
- University of Toronto
- University of Waterloo
- Western University
- York University

Asia

- Fudan University
- Hanyang University
- Keio University
- Korea University
- National University of Singapore
- Ritsumeikan Asia Pacific University
- Sungkyunkwan University
- Universiti Brunei Darussalam

Australasia

- La Trobe University
- Macquarie University
- The University of Auckland
- The University of New South Wales
- The University of Queensland
- The University of Western Australia

Europe

- Albert-Ludwigs-Universität Freiburg
- Erasmus University Rotterdam
- Freie Universität Berlin
- IE University
- Katholieke Universiteit Leuven
- Lund University
- Maastricht University
- The University of Dublin
- Tilburg University
- Université Catholique de Lille
- Université Jean Moulin Lyon 3
- University of Aberdeen
- University of Birmingham
- University of Gothenburg
- University of Groningen
- University of Helsinki
- University of Lausanne
- University of Leeds
- University of Liverpool
- University of Oulu
- University of Southampton
- Uppsala University
- Utrecht University

Internship Programme

實習計劃

The Department has been actively involved in teaching and research across the disciplines of urban planning, environmental management, soil science, landscape ecology, ecotourism and resource management. Over the past years, our students have taken part in internship arrangements with various organizations in order to gain practical working experience in various fields. Below is the list of organizations participating in the internship programme in the past three years:

- Ambit Geospatial Solution Limited
- Carbon Care Asia Limited
- Carbon Care InnoLab Limited
- Designing Hong Kong
- Discovery Bay Golf Club
- Esri China (Hong Kong) Limited
- Friends of the Earth (Hong Kong) Charity Limited
- Geocarto International Centre Limited
- GeoSys Hong Kong Limited
- Green Sense
- Kaifong Tour
- Land Education Foundation Limited
- Liber Research Community (HK) Company Limited
- Pegasus Greenland Limited
- SEE Network Limited
- The Conservancy Association
- The Hong Kong Countryside Foundation
- The Hong Kong Cricket Club

學系一直致力於城市規劃、環境管理、土壤學、景觀生態學、生態旅遊及資源管理等範疇的教學和科研活動。本系亦在近年開辦實習計劃，安排同學在暑假期間於不同的機構實習，以幫助同學獲取不同領域和範疇的工作經驗，為日後投身社會工作作準備。以下是過去三年參與計劃的機構名單：

- 宏圖空間信息顧問有限公司
- 低碳亞洲有限公司
- 低碳想創坊有限公司
- 創建香港
- 愉景灣高爾夫球會
- Esri中國（香港）有限公司
- 香港地球之友
- 智圖國際中心有限公司
- 香港吉歐系統有限公司
- 環保觸覺
- 街坊帶路
- 土地教育基金有限公司
- 本土研究社(香港)有限公司
- 千里馬綠化有限公司
- 思網絡有限公司
- 長春社
- 香港鄉郊基金
- 香港木球會

Mentorship Programme

師承計劃



The Department launched the Mentorship Programme for major students in September 2001. The objective of the programme is to provide an opportunity for GRM students to maintain close and direct interactions with professionals in a real world environment. Such an experience can enhance interpersonal and communication skills and broaden the knowledge base of our students. Many mentors and students have remarked on the programme's success.

In the Mentorship Programme, students are matched with mentors according to their interests and preferences as much as possible. The frequency and format of interactions are flexible. Students and mentors are free to arrange meetings at their own convenience.

地資系於二零零一年九月推出「師承計劃」。系方邀請到多位社會成功人士擔任學長，以「亦師亦友」的身份與本系同學分享工作及生活體驗，從而提升同學們心智發展、擴闊視野、改善溝通技巧及增強自信。本計劃深受同學們歡迎。

「師承計劃」盡量按同學的興趣和志願分配他們給每位學長。同學與學長按實際情況靈活安排活動的時間和方式。

The Student Association is organized by GRM students. It is active in organizing activities for students every year, including the Orientation Camp for in-coming students, spring dinner, sports competitions and evening gatherings. The association shares a strong partnership with the Department in organizing various events, for instance, the annual CUHK Information Day and Graduation Dinner. Through active involvement in the Department's functions, students may gain valuable learning experience. Communications between teachers and students are also enhanced.



地資系系會由本系同學組織。學生會每年舉辦不同性質活動，如：迎新營、春茗、運動比賽及晚會等。除此之外，學生會經常與系方合作共同籌備活動，如：每年中大舉辦之本科入學資訊日和畢業生晚宴，系會同學都積極參與籌劃，從中得到寶貴經驗，並加強師生之間的溝通。

Campus Life 校園生活



Chan Ka Chai

I have always had a special connection with the natural environment and the world since a very young age. It is for this very reason that I decided to embark on the study of geography at university back when I was in secondary 5. Today, I am already a fourth-year student in the Department of Geography and Resource Management. The courses I have taken, the opportunities I have grasped, as well as the professors and classmates I have met in GRM in the past years have convinced me that I made the right choice 5 years ago.

I vividly remember my emotions when I attended the academic counselling session. I was extremely excited when the professors introduced the courses of GRM. The courses offered by GRM are not only of a high variety, but also very practical. They comprise of both theoretical and practical courses. The topics covered in the courses, such as remote sensing and sustainable development, are useful for our future career.

The various local and non-local field trips have also provided GRM students with ample opportunities to conduct experiential learning. Although the pandemic made it impossible to conduct non-local inspections, we were fortunate to have a local field trip as the pandemic alleviated during summer time. During the field trips organized by GRM, I have met a lot of friends who are value-aligned with and share the same interest as me. Not only do we learn together in courses, but we also inspire and help each other out in life. Words could not describe how grateful I am to meet this group of friends at university.

Over and above that, I have also met many amiable professors, who have gone a step further in guiding me through my journey in GRM. Although there were only online classes in the previous year, the professors, with their enthusiasm, have made learning interactive and convenient by offering alternative learning methods. My academic advisor also took great care of me. Not only did she give me a lot of advice regarding academic matters, but she also met me in her free time to make sure that I had been adapting and studying well in university.

I chose GRM initially because of my love for geography. A year later, I stayed here not only because of my interest but also because of a vision that I can use the knowledge I have learned to change the world and contribute to the sustainable development of the world. All in all, I firmly believe that GRM is the right choice for me, and I will hold my head high in saying that GRM is my second family. I hope that in the future, I will not forget my original aspirations and will strive for a sustainable future.

Lam Argus

It is still vivid in my mind that when I was arranging my JUPAS choices, I questioned myself: what do I want to be in the future? And the answer is that I want to be a geography teacher because, under the changing climate, there are numerous challenges faced by the world and I would like to deliver the message of environmental conservation to our future generation. The Department of Geography and Resource Management offers a wide diversity of courses in different concentration areas like physical geography, human geography and GIS application. The programme can definitely help me to equip myself with relevant and in-depth subject knowledge so that I can be a good geography teacher in the future.

In the family of GRM department, peer support is really important to my learning under the COVID-19 pandemic. Many are extremely motivated to learn. I am especially lucky to find several schoolmates that are also very keen on learning more about geography. Not only did we discuss about the information taught in the lessons, hence helping one another to clarify the concepts learnt, but we also shared study resources and prepared extra notes together to help each other to learn better. Besides, the school also provided significant support for students. Despite the ongoing pandemic, the department provided a wide and diverse range of opportunities for us, including a plethora of field trips in different courses, such as the one to Tung Ping Chau. These field trips really helped students recognize the beauty hidden inside Hong Kong's wildlife, hence really helped to further my interest in learning about geography.

陳家齊

因著對自然環境和世界的熱愛，我就讀中五時便下定決心要攻讀大學的地理課程。很感恩，今天我已地理與資源管理學系的四年級生了。時至今天，地資系的課程、機會、給我的啟發、遇到的教授和同學都一一令我確信我的選擇是對的。

回想在入學前的學系選課輔導，當教授們在介紹地資系的課程時，我十分期待和興奮。地資系的課程不但多元，還十分貼近生活，既有介紹理論學說的，又有實踐考察的。課程內容亦十分有助我們投身職場，例如學習衛星遙感探測和可持續發展。

談到地資系的學習機會，當然不得不提實地考察的課程，本科同學能參與不同的本地和境外考察團。雖然疫情期間學系未能舉辦境外考察，但在疫情緩和時，我們亦很開心能把握機會在暑假一同參與本地考察。在各考察和課堂當中，我認識了一群志同道合的好友，我們一起出考察，做專題研習，而不單在學科上一起學習，互相啟發，大家更會在生活中互相幫助。能在大學中認識到如此一群投契的朋友，實在感恩。

課程以外，我亦在地資系遇到不少用心教學的教授。儘管疫情期間只有網課，但無阻教授的熱情，以各種方法幫助我們學習。其中我的學術顧問亦十分關顧我，不但在學術方面給予我很多建設性的意見，亦會於空閒時間與我們相聚，寒暄一番，讓我感受到地資系的溫暖。

記得當初我選擇地資系的原因是我喜歡地理，三年過去，我認為修讀地理科不單是興趣，更是一種使命。過往三年的學習更令我反省到人類社會與自然的關係，我們受惠於自然，但人類卻未有肩負起負責，不斷破壞環境，破壞這個家。在大學修讀地理不只需要學習

知識，更是要建立對世界的抱負。但願將來我可以活用所學到的知識，去改變這個世界，為世界的可持續發展出一分力。

三年過去，我確信入讀地資系是正確的選擇，希望以後自己能勿忘初心，努力在地資系學習，與人交流，改變世界。

林思行

猶記得大學聯招選科時，我曾問自己一個問題：將來要成為一個怎樣的人。那時候的答案是成為一個地理老師，原因是在氣候變化下，人類社會正面臨種種危機，而我希望將環境保育的重要性教導給下一代。而地理與資源管理學系正正提供多元化的課程，包括不同的專修範圍如自然地理、人文地理及地理信息系統的運用等，這絕對能幫助我裝備自己，學習相關且深入的地理知識，令我將來能成為一位更好的老師。

在地資系的大家庭中，朋輩的支持對於新冠病毒疫情下的學習尤其重要。地資系中有很多好學的同學，而我十分幸運能解釋一群與我一樣享受學習地理的朋友。我們不但一同討論課堂內容，釐清課堂概念，更分享學習資源及準備額外筆記，提高學習成效。除此以外，校方亦提供充足的支援予學生。縱使疫情肆虐，校方亦提供多元的機會予學生，包括多次的實地考察，到訪香港不同的地方(如東平洲)實踐所學。這些活動令學生更能了解香港大自然的美，進而增進學習地理的興趣。



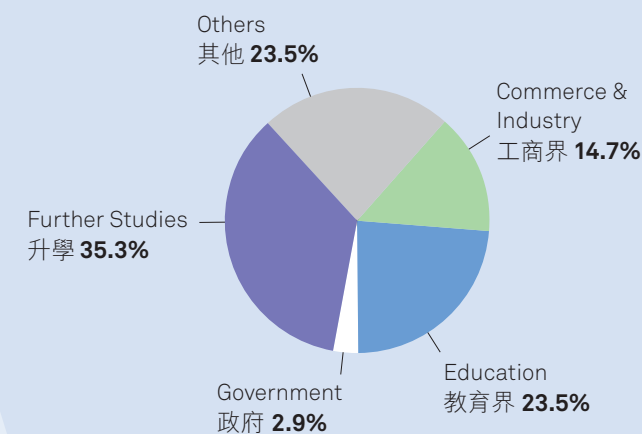
Career Opportunities 畢業生出路

Geography is a multidisciplinary field of study with numerous branches covering a very broad scope. A distinctive feature of geographical education is to equip students with not only extensive knowledge, but also professional skills and a forward-looking vision. Therefore, our graduates have a very wide spectrum of career choices and play important roles in a variety of fields. For many of our graduates, a degree in GRM prepares them well for postgraduate training and subsequently a professional career in urban planning, geoinformation science, environmental management, country park management, transport and logistics, travel and tourism, and education. Others have ventured into fields such as business and finance, administration and management, education, information services, social services, customer services, sales and marketing, and human resources management. The following are some reflections from our alumni:

地理學範圍廣闊，分支學科眾多。其教育的特色就是培養既有專業技能，又具廣博知識和開闊視野的人才。故此，本系不少畢業生繼續進修，投身不同專業，包括城市規劃、地理信息科學、環境管理、郊野公園管理、運輸與物流、旅遊和教育。其他畢業生亦在社會各行各業中，包括商業、金融、行政及管理、資訊服務、社會服務、顧客服務、市場銷售及人力資源管理，發揮所長，擔當重要角色。以下是幾位校友的分享：



Employment Statistics of 2022 Graduates 2022年畢業生就業情況



學生分享

Ms. Natalie Chung Sum Yue
DFI Retail Group
Sustainability Lead

In primary school, I had the fortune to participate in the “Science in the Public Service” Student Project Competition, during which I was deeply inspired by an encounter with the polar explorer Dr Rebecca Lee. Therefore, I chose to study in the Department of Geography and Resource Management at CUHK without hesitation. At first, my only desire was to venture into nature and learn about the earth system and climate change, but what being offered was far beyond my imagination. During the four-year undergraduate programme, we had the opportunity to master the know-how of environmental impact assessment, nature conservation policy, international environmental management, and also dabble in practical skills such as GIS, satellite remote sensing, research design, statistics and so on. Our group of passionate classmates immerse in the countryside and forests of Hong Kong to conduct field research, collecting soil samples for laboratory experiments. We also went on field trips in the Mainland and overseas to acquire global perspectives. Of course, the most valuable thing is developing meaningful relationships with enthusiastic professors, course directors and classmates during this academic journey. Their encouragement inspired me to pursue postgraduate degree abroad and speak up for Hong Kong in climate action. Under the nurturing of GRM, my senior and I further developed V'air Hong Kong, a social enterprise focused on environmental education and sustainable tourism. Through participating in the GRM internship programme, we were blessed with GRM-ers to pass on the entrepreneurial spirit of our organisation. GRM has groomed me into how I am today, and I am convinced that the Department will be an excellent nurturing ground for future generations who care about the planet and the imminent climate crisis.

Mr. Kevin Lai
Administrative Officer
HKSAR Government

My parents cast much doubt when I decided to study Geography in university, nearly 20 years ago. A law degree was thought to be a better option. But I stayed the course, propelled by my deep interest in the interactions between people and space, and the vast physical and organisational variations across the globe.

Three years of training in Geography turned out to be exceptionally useful from the career development perspective. A wide spectrum of topics was covered in CUHK's bachelor degree programme in GRM, ranging from natural resources management to town planning;

from transport and logistics to ecotourism; and from the study of climatic and geological conditions to debates on globalisation and international development. The programme also equipped students with multifarious skill sets, including those in carrying out interviews and on-site surveys, conducting statistical analyses, theorising on facts and trends, preparing reports and making presentations in a team, etc. The unique vision, insights, strategic thinking, knowledge and skills that one could acquire from learning Geography are highly reciprocal to the expectations of employers in many businesses and professions. As my own experience suggests, they are very relevant to my job in formulating and administering public policies.

Equally if not more treasurable about studying Geography is perhaps the appreciation of its core values, which, in my view, are: understanding diversities, focusing on practicality, and respecting people and the environment. I have found these values particularly edifying not only for my work but also for weathering through other events in life.

Ms. Ngai Yuen-ngor
Senior Country Parks Officer
Agriculture, Fisheries and Conservation Department of HKSAR Government

“Geography is the study of the spatial relationships of all things on earth,” it sounded a bit vague for me as a new undergraduate at Year 1. Thanks to the inspiring teachers and the senior forms students who guided me along through the lectures and many field studies, I gradually understand that the courses that I attended such as man and environment, geology and geomorphology, cartography, soil and resources management, urban planning, population, statistics, etc. were inter-related and highly applicable to the local and global issues around me. As a geography student, I was particularly keen on field studies. I was not aware that my learning profile in geography had gradually laid a strong foundation for my career as a Forestry Officer in the Agriculture, Fisheries and Conservation Department.

As a country park manager, I work on a large variety of tasks including designation of country parks, provision of recreation facilities, giving comments on development proposals and zoning plans, rehabilitation of degraded areas, hill fire prevention, planning for hiking trail, writing nature books, enforcing Country Parks Regulations, etc. If you also love the natural environment of Hong Kong like me, you would understand how contended I was as I could apply most of what I've learned in geography to what I have been working for.

Competent GRM graduates may apply for Forestry or Field Officers posts to work on conservation projects and parks management, while undergraduates are engaged as summer interns. GRM students who love nature, environmentally conscious, physically and mentally tough and ready to devote are welcomed to join in.

鍾芯豫小姐
DFI零售集團
可持續發展領導

小學階段有緣參與「科學為民」服務巡禮舉辦的學生專題研習比賽，認識極地探險家李樂詩博士，深受啟發。故後來升讀大學，毫不猶疑地選擇入讀中大地理與資源管理學系。起初只希望走進自然，認識地球系統和氣候變化，沒想到地資系為我帶來的遠超想像。四年的本科課程，我們有機會掌握環境影響評估、自然保育政策、國際環境管理的竅門，還涉獵到GIS、衛星遙感、研究設計、統計學等實用技巧。一眾熱愛環境的同窗深入香港的田園山林進行田野研究，採集泥土樣本回實驗室研究，亦有機會親身到內地和海外考察。當然，最可貴的是在這段學術歷程遇上滿腔熱忱的教授、課程主任和同學，他們的鼓勵和鞭策啟發我到海外深造，在氣候領域為香港發聲。在地資系的護蔭下，我和師兄進一步發展以環境教育和可持續旅遊為主軸的社會企業V'air，並有幸透過實習計劃獲地資系的師弟妹傳承企業精神。中大地資系成就了我，我亦深信學系將成就更多熱愛地球、關注氣候危機的新一代。

黎明暉先生
香港特別行政區政府
政務主任

大約二十年前，我決定在大學修讀地理學，當時父母對此甚是懷疑，認為攻讀法律學位會是更好的選擇。不過，我堅持初衷，因為我對人類和空間的互動，以及全球各地所存在的自然與人文差異，有著濃厚的興趣。

從事業發展的角度來看，接受三年的地理學教育，對我有著莫大的裨益。香港中文大學地理與資源管理學系開辦的學士學位課程，內容廣泛，涵蓋多方面的議題，包括自然資源管理、城市規劃、運輸和物流、生態旅遊、氣候和地質研究，以及有關全球化與國際發展的辯論等。課程亦授予學生多元技能，例如進行訪問

和實地考察、作出統計分析、對事實與趨勢作出論述，以及以團隊形式撰寫報告和進行匯報等。修讀地理學所能獲得的獨特視野、見解、策略思維、知識及技能，高度符合各行各業僱主的期望和要求。以我自己的經驗為例，我從地理學所學到的東西，與我制定和執行公共政策的工作息息相關。

修讀地理學的另一項寶貴得著，是領會到這門學科的核心價值：在我看來，它們包括理解差異、專注實用性，以及尊重人和環境。這些價值不但對我的工作甚有啟迪，亦有助我面對人生的風雨陰晴。

魏遠娥小姐
香港特別行政區政府漁農自然護理署
高級郊野公園主任

當我入讀大學一年級時，「地理是學習地球上一切事物的空間關係」這句話實在令我感到疑惑。幸好，得到教授和師兄師姐們的啟發，我逐漸明白地理系課程所涵蓋的，如人與環境、地質與地貌學、製圖學、土壤及資源管理、城市規劃、人口學、統計學等都環環相扣，與本地甚至全球關注的事宜息息相關。作為地理學生，我特別喜歡實地考察，不知不覺間，我在地理系的學習歷程已為我打好了成為漁農自然護理署林務主任的基礎。

作為郊野公園的管理者，我曾負責的工作種類繁多，包括劃定郊野公園、設置康樂設施、評審發展計劃及規劃圖、復修劣地、防止山火、建設遠足徑、編寫大自然書籍、執行郊野公園條例等。如你跟我一樣，深愛香港的自然環境，相信你會明白，我能將大部分大學時獲取的地理知識應用到工作上，是何等的滿足！

合資格的地資系畢業生可投考林務主任或農林督察的職位，而本科生則有機會受僱為暑期工，參與自然保育和公園管理的工作。我熱切期待更多熱愛大自然、富環境觸覺、體能及心智上頑強、並願意全情投入工作的地資系畢業生加入我們的行列。

| Faculty Members 2023-2024 2023至2024年度教員簡介 | | |
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| <div>Prof. AU Wai-Kwong, Elvis (MSc, The University of Hong Kong) Adjunct Professor</div> <div>Climate Change, Energy and Urban Planning Sustainable Waste Management Strategic Environmental Planning Environmental Assessment and Management</div> <div>Prof. CHAN Chung-shing, Johnson (PhD, The Chinese University of Hong Kong) Assistant Professor</div> <div>Place Branding and Marketing Sustainable Tourism Nature-based Tourism Recreation Planning and Management</div> <div>Prof. CHEN Yongqin, David (PhD, University of Georgia) Professor</div> <div>Hydrology and Water Resources Management Meteorology and Climatology Environmental Assessment and Modeling</div> <div>Prof. CHUNG King Lam, Calvin (PhD, University College London) Assistant Professor</div> <div>Geographies of State Restructuring Politics and Practice of Spatial Planning Political Ecology and Environmental Policy</div> <div>Prof. FUNG Tung (PhD, University of Waterloo) Emeritus Professor Associate Director, Institute of Environment, Energy and Sustainability</div> <div>Remote Sensing and Geographic Information Systems Land Use Changes Digital Image Analysis</div> | <div>區偉光教授 客座教授</div> <div>氣候變化、能源與城市規劃 永續廢棄物管理 策略性環境規劃 環境評價與管理</div> <div>陳宗誠教授 助理教授</div> <div>地方品牌及市場學 可持續旅遊 自然旅遊 康樂規劃及管理</div> <div>陳永勤教授 教授</div> <div>水文學與水資源管理 氣象學與氣候學 環境評價與模擬</div> <div>鍾環霖教授 助理教授</div> <div>國家重構的地理特質 空間規劃政治與實踐 政治生態學與環境政策</div> <div>馮通教授 榮休教授 環境、能源及可持續發展研究所副所長</div> <div>遙感及地理信息系統 土地利用變化 數字圖像分析</div> | <div>Dr. GUO Chunlan (PhD, The Chinese University of Hong Kong) Lecturer</div> <div>Geography of China Population and Migration Urban Geography World Development</div> <div>Prof. HE Ying, Sylvia (PhD, University of Southern California) Associate Professor</div> <div>Transportation Planning and Policy Land Use and Built Environment Urban Economics</div> <div>Prof. KAN Zihan (PhD, Wuhan University) Assistant Professor</div> <div>Spatial Statistics and Analytics Big Data Analytics Smart and Sustainable Cities Geographic Information Science</div> <div>Prof. KWAN Mei Po (PhD, University of California, Santa Barbara) Choh-Ming Li Professor of Geography and Resource Management Director, Institute of Future Cities Director, Institute of Space and Earth Information Science</div> <div>Geographic Information Systems Society, Space and Environments Cities and Metropolitan Areas</div> <div>Prof. LAI Yuk Fo, Derrick (PhD, McGill University) Associate Professor Director, Centre for Environmental Policy and Resource Management</div> <div>Wetland Greenhouse Gas Exchange Urban Ecology and Biogeochemistry Ecosystem Creation and Restoration</div> <div>Prof. LAM Kin Che (PhD, University of New England) Adjunct Professor</div> <div>Environmental Assessment Environmental Policy Analysis Noise Assessment and Planning</div> <div>Prof. LAU Ngar-cheung (PhD, University of Washington) Emeritus Professor</div> <div>Structure and Dynamics of Atmospheric Circulation Systems Large-Scale Air-Sea Interaction Regional Impacts of Climate Change</div> |
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Director, MSc Programme in Geoinformation Science and Smart Cities

Human Geography
Climate-man Relationship
Sustainable Development

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Urban Planning
Globalization and World City
Urban Development and Theories

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Quantitative Methods
Spatial Analysis and Decision Support Systems
Urban and Regional Analysis

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Housing Policy for Inclusive Development
Homeownership, Housing Pathway and Inequality
Urbanization and Regional Disparity
Carbon Emission and Green Building

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Remote Sensing
Cartography
Virtual Geographical Environment
Spatial Data Mining

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Sustainable Development
Urban Environmental Problems

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人與氣候的關係
可持續發展

李慧瑩博士
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全球化及世界城市研究
都市發展

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空間分析及決策支援系統
城市與區域分析

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助理教授

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居所權、置業路徑與住房不平等
城鎮化與區域差異
碳排放與綠色樓宇

林琿教授
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地理信息系統
遙感
地圖學
虛擬地理環境
空間數據挖掘

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城市規劃

陸興成教授
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可持續發展
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Remote Sensing
Smart Cities
Big Data Analysis
Sustainable Development

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Tourism and Environment
Natural Heritage
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Urban Regeneration
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Migration
Urban Competitiveness
Urban and Regional Development

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Vegetation Classification and Mapping
Spatial Modeling

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校長特聘助理教授

遙感
智慧城市
大數據分析
可持續發展

馬路華教授
教授
可持續旅遊社會科學碩士課程主任

旅遊及休閒研究
生態旅遊
旅遊及環境
自然遺產
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植被分類
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區域發展與區域管治
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