



DEPARTMENT OF
GEOGRAPHY & RESOURCE MANAGEMENT
The Chinese University of Hong Kong

Recommended Course Pattern For Freshmen

August 2023

GRM GRADUATION REQUIREMENT (4-YEAR CURRICULUM, 2023-2024)

Complete at least 123 units of courses including:

(1) Department requirements:

A minimum of 60 units of GRMD courses, 10 required courses of 24 units, and 12 elective courses of 36 units

(2) Faculty requirements:

3 Faculty Package courses of 9 units offered by GRM and 2 other different departments/schools, including [GRMD1401 A World of Diversity](#)

(3) University requirements:

13 units of language courses (English and Chinese),
3 units of Digital Literacy and Computational Thinking course,
19 units of GE courses,
1 unit of “Understanding China” course,
1 unit of “Hong Kong in the Wider Constitutional Order” course,
and 2 units of PE courses

(4) Remaining units in minor and/or elective courses of your own choice

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

GRM GRADUATION REQUIREMENT (4-YEAR CURRICULUM, 2023-2024)

Major

Complete a minimum of **60 units** of courses

- **5 required courses** (15 units in total)
- **3 Field Studies courses** (3 units in total)
 - Field Studies in Hong Kong
 - Non-local Field Studies I
 - Non-local Field Studies II
- **2 Final Year Thesis courses** (6 units in total)
 - FYT I
 - FYT II
- **12 elective courses** (36 units in total)

Concentration Area

Students may choose to declare one, or up to two concentration areas by taking at least 12 units in the relevant area(s)

REQUIRED COURSES

- **Faculty Package Course**
 - GRMD1401
A World of Diversity
- **Foundation Course**
 - GRMD1403
Resources, Society and Environment
- **Other Required Courses**
 - GRMD2102
Fundamental Statistics for Geographers
 - GRMD2105
Introduction to GIS
 - GRMD3102
Research Design and Methodology
 - GRMD3301
Geography of China

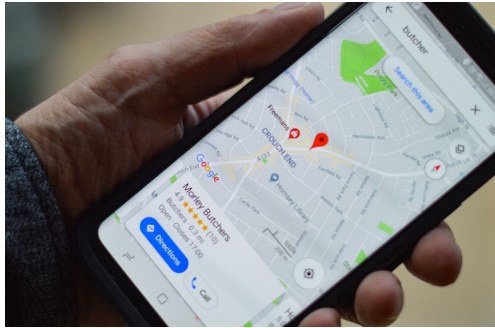


REQUIRED COURSES

- **Field Studies Courses**
 - GRMD1001
Field Studies in Hong Kong
 - GRMD2001
Non-local Field Studies I
 - GRMD3001
Non-local Field Studies II
- **Final Year Thesis courses**
 - GRMD4001
Final Year Thesis I
 - GRMD4002
Final Year Thesis II



CURRICULUM



Students may choose to declare one, or up to two concentration areas by taking at least 12 units in the relevant area(s)

GEO-SPATIAL DATA SCIENCE

Level	Courses
Level 2/3	GRMD2104 <i>Remote Sensing of Environment</i> GRMD3104 <i>Satellite Image Analysis</i> GRMD3106 <i>Advanced GIS</i> GRMD3108 <i>Cartography and Geovisualization</i> GRMD3403 <i>Methods for Resource Evaluation and Planning</i>
Level 4/5	GRMD4101 <i>GIS Workshop</i> GRMD4502 <i>Urban Big Data Analysis and Application</i> GRMD5110 <i>Statistical Applications in Geography</i>

At least 1 course from GRMD2104 or 3106 + any other 3 courses

PHYSICAL ENVIRONMENT AND RESOURCE MANAGEMENT

Level	Courses
Level 2/3	GRMD2209 <i>Physical Geology</i> GRMD2221 <i>Weather and Climate</i> GRMD2401 <i>Sustainable Development</i> GRMD2402 <i>Natural Resource Management</i> GRMD2403 <i>Nature Conservation in Hong Kong</i> GRMD3202 <i>Environmental Management</i> GRMD3203 <i>Urban Environmental Problems</i> GRMD3205 <i>Geomorphology</i> GRMD3209 <i>Soil Science</i> GRMD3224 <i>Tourism Planning and Management</i> GRMD3403 <i>Methods for Resource Evaluation and Planning</i> GRMD3404 <i>Natural Hazards and Human Responses</i>
Level 4	GRMD4202 <i>Hydrology and Water Resources</i> GRMD4203 <i>Ecosystem Restoration and Management</i> GRMD4204 <i>Environmental Planning and Assessment</i> GRMD4401 <i>Energy Resources for Carbon Neutrality</i>

URBAN AND REGIONAL DEVELOPMENT

Level	Courses
Level 2/3	GRMD2303 <i>Urban Geography</i> GRMD2321 <i>Economic Geography</i> GRMD2501 <i>Theory and Practice of Smart Cities</i> GRMD3302 <i>Population and Migration</i> GRMD3304 <i>Cultural Geography</i> GRMD3305 <i>Transport Geography</i> GRMD3323 <i>Urban and Regional Planning</i>
Level 4	GRMD4302 <i>Urban Planning Workshop</i> GRMD4402 <i>World Development</i> GRMD4503 <i>Smart City Policies and Governance</i>

At least 1 course from GRMD2321 or 3323 + any other 3 courses

SMART SUSTAINABLE CITIES

Level	Courses
Level 2/3	GRMD2501 <i>Theory and Practice of Smart Cities</i> GRMD3106 <i>Advanced GIS</i> GRMD3203 <i>Urban Environmental Problems</i> URSP2800 <i>Urban Form, Sense of Place and Well-being</i> URSP2900 <i>Recommoning</i> URSP3600 <i>Designing Smart Cities</i>
Level 4	GRMD4502 <i>Urban Big Data Analysis and Application</i> GRMD4503 <i>Smart City Policies and Governance</i>

GRMD2501 + any other 3 courses

RECOMMENDED COURSE PATTERN FOR FRESHMEN (4-YEAR CURRICULUM, 2023-2024)

Y1T1	Units	Y1T2	Units
University Core Requirement (e.g. English, Chinese, DL&CT, College GE, Foundation GE, PE, UGCP...)	7-8	University Core Requirement (e.g. English, Chinese, DL&CT, College GE, Foundation GE, PE, UGCP...)	11-13
Faculty Package: 1st and 2nd FP courses	6	Faculty Package: GRMD1401 A World of Diversity	3
GRMD1403 Resources, Society and Environment	3	GRMD1001 Field Studies in HK (27 – 30 Dec 2023)*	(1)*
Major elective (optional, at 1000 level)	?	Major elective (at least one, at 1000 or 2000 level)	3+?
Total	16-19	Total	17-19

Required GRMD courses are highlighted in GREEN

*GRMD1001 will be held in late Dec 2023 but will be recorded as a Summer Term course