



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

Recommended Course Pattern For Freshmen

August 2024

GRM GRADUATION REQUIREMENT (4-YEAR CURRICULUM, 2024-2025)

Complete at least 123 units of courses including:

(1) Department requirements:

A minimum of 63 units of GRMD courses, 10 required courses of 27 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

GRM GRADUATION REQUIREMENT (4-YEAR CURRICULUM, 2024-2025)

Major

Complete a minimum of **63 units** of courses

- **5 required courses** (15 units in total)
- **3 Field Studies courses** (6 units in total)
 - Local Field Camp
 - Non-local Geography Field Trip I
 - Non-local Geography Field Trip 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)

GRM MAJOR PROGRAMME REQUIREMENT (ASSOCIATE DEGREE OR HIGHER DIPLOMA HOLDERS ADMITTED TO SENIOR-YEAR PLACES, 2024-2025)

Major

Complete a minimum of **54 units** of courses

- **6 required courses** (18 units in total; including GRMD1401)
- **3 Field Studies courses** (6 units in total)
 - Local Field Camp
 - Non-local Geography Field Trip I
 - Non-local Geography Field Trip II
- **2 Final Year Thesis courses** (6 units in total)
 - FYT I
 - FYT II
- **8 elective courses** (24 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**
 - GRMD1011
Local Field Camp
 - GRMD2011
Non-local Geography Field Trip I
 - GRMD3011
Non-local Geography Field Trip 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>
Level 4/5	GRMD4101 <i>GIS Workshop</i> GRMD4403 <i>Methods for Resource Evaluation and Planning</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> GRMD2292 <i>Understanding Ecotourism</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> GRMD3401 <i>Energy Resources for Carbon Neutrality</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> GRMD4403 <i>Methods for Resource Evaluation and Planning</i>

At least 1 course from GRMD3202 or 3205 + any other 3 courses

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> GRMD3402 <i>World Development</i>
Level 4	GRMD4302 <i>Urban Planning Workshop</i> GRMD4503 <i>Smart City Policies and Governance</i>

At least 1 course from GRMD2321, 3305 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, 2024-2025)

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	GRMD1011 Local Field Camp (27 – 30 Dec 2024)*	(2)*
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

*GRMD1011 will be held in late Dec 2024 but will be recorded as a Summer Term course