Rrecommended Course Pattern

for Freshmen

August 2021

GRM Graduation Requirement
(4-year curriculum, 2021-2022)

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:*
15 units of language courses (English and Chinese), 1 unit of IT foundation course, 21 units of GE courses, and 2 units of PE courses

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

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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 Major Programme Requirement
(4-year curriculum, 2021-2022)

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 (required)**
  - GRMD1401
    A World of Diversity

- **Foundation Course (required)**
  - 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

Concentration Areas

Geo-spatial Data Science

Physical Environment and Resource Management

Smart Sustainable Cities

Urban and Regional Development

Geo-spatial Data Science

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

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

Physical Environment and Resource Management

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

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

Urban and Regional Development

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

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

Smart Sustainable Cities

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

GRMD2501 + any other 3 courses

Recommended Course Pattern for Freshmen
(4-year curriculum, 2021-2022)

Y1T1	Units	Y1T2	Units
University Core Requirement (e.g. English, Chinese, IT, College GE, Foundation GE, and PE)	6-9	University Core Requirement (e.g. English, Chinese, IT, College GE, Foundation GE, and PE)	8-11
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 (Late Dec 2021)*	(1)*
Major elective (optional, at 1000 level)	?	Major elective (at least one, at 1000 or 2000 level)	3+?
Total	**15-18**	**Total**	**15-18**

Required GRMD courses are highlighted in GREEN

*GRMD1001 will be held in late Dec 2021 but will be recorded as a Summer Term course

List of GRMD courses to be offered in coming two years:
http://www.grm.cuhk.edu.hk/eng/prog/prog_ug.html