Recommended Course Pattern for Freshmen

August 2019

GRM Graduation Requirement
(4-year curriculum, 2019-2020)

Complete at least 123 units of courses including:

(1) *Dept requirements:*
a minimum of 60 units of GRMD courses, consisting of 10 required courses of 24 units and 12 elective courses of 36 units

(2) *Faculty requirements:*
3 FP courses of 9 units offered by GRM and 2 other different depts/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

Overseas Field Studies I & II
境外考察 I & II

Year 4

Capstone Final Year Thesis
畢業課論文

GRM Major Programme Requirement
(4-year curriculum, 2019-2020)

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)

Concentration Areas

Physical Environment and Resource Management
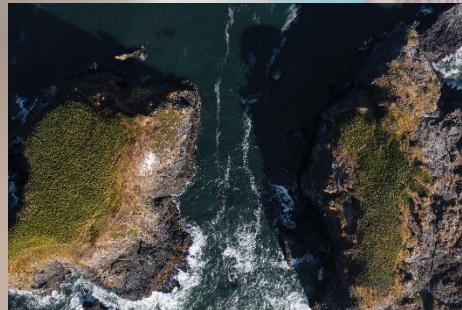
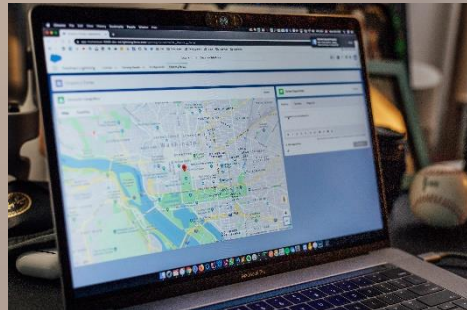**Geo-spatial Data Science**

GRM

Smart Sustainable Cities

Urban and Regional Development
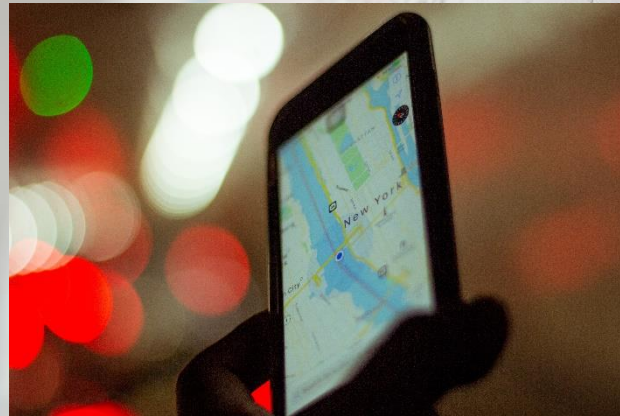
Curriculum Design and Characteristics

- **Four Concentration Areas**
  - Geo-spatial Data Science
  - Physical Environment and Resource Management
  - Urban and Regional Development
  - Smart Sustainable Cities

- **Faculty Package Course (required)**
  - GRMD1401 *A World of Diversity*

- **Foundation Course (required)**
  - GRMD1403 *Resources, Society and Environment*

Curriculum Design and Characteristics

- **Other Required Courses**
  - GRMD2102 *Fundamental Statistics for Geographers*
  - GRMD2105 *Introduction to GIS*
  - GRMD3102 *Research Design and Methodology*
  - GRMD3301 *Geography of China*

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, 2019-2020)

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 (Dec 2019)	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 color.

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