# Course Structure for Undergraduate Program

# Department of Geography

# National Taiwan Normal University

Adaptive to Class of	Common Courses Credit(s)	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
112	32.0	34.0	41.0	21.0	128.0

## I. General Course: 32.0 credits are required

Course Name	Credit(s)
1 Chinese 4.0 credits are required	
1-1 Chinese Reading and Thinking	2.0
1-2 Chinese Writing and Expression	2.0
2 English 6.0 credits are required, Students who major in Department of English must take the course which course code are ENU0168	and ENU0169 with a passing score for instead
2-1 English(I)	2.0
2-2 English(II)	2.0
2-3 English(III)	2.0
3 General Education Courses 18.0 credits are required	
3-1 Liberal Arts Course 8.0 credits are required	
3-1-1 Humanities and Arts 2.0 credits are required	
3-1-2 Social Sciences 2.0 credits are required	
3-1-3 Natural Sciences 2.0 credits are required	
3-1-4 Logic and Computing 2.0 credits are required	
3-2 Cross-domain Exploration 4.0 credits are required	
3-2-1 College Common Course	
3-2-2 Cross-domain Professional Discovery Course	
3-2-3 Introduction to University Studies	
3-3 Self-Directed Learning maximum credits are 4.0	
3-3-1 Inquiry Study	
3-3-2 MOOCs	
4 Physical Education 4.0 credits are required, 4 courses are least required	
5 Service-Learning 1 course is least required	
5-1 Basic Service-Learning	0.0

Note: The first alphabet "E" on the course name refers to the course in English as a medium of instruction

## II. Required Courses: 34.0 credits are required

				it Unit	
Course Code	Course Name	Credit(s)	Lecture Hour	Lab/Practice Hour	Note
GEU0233	1 E Introduction to Geography (I)	2.0	2.0	0.0	
GEU0234	2 E Introduction to Geography (II)	2.0	2.0	0.0	
GEU0011	3 Geography of Taiwan	3.0	3.0	0.0	
GEU0167	4 Quantitative Geography	3.0	3.0	0.0	
GEU0001	5 Geomorphology	3.0	3.0	0.0	
GEU0014	6 E Geography of the World	3.0	3.0	0.0	
GEU0136	7 Climatology	3.0	3.0	0.0	
GEU0006	8 Economic Geography	3.0	3.0	0.0	
GEU0017	9 Cartography	3.0	3.0	0.0	
GEU0057	10 E Urban Geography	3.0	3.0	0.0	
GEU0166	11 E Geographic Information System	3.0	3.0	0.0	
GEU0118	12 Geographic Thoughts	3.0	3.0	0.0	

## III. Elective Courses: 41.0 credits are required

			Cred		
Course Code	Course Name	Credit(s)	Lecture Hour	Lab/Practice Hour	Note
GEU0003	1 Hydrology	3.0	3.0	0.0	
GEU0004	2 Soil Geography	2.0	2.0	0.0	
GEU0005	3 Biogeography	3.0	3.0	0.0	
GEU0007	4 Settlement Geography	2.0	2.0	0.0	
GEU0008	5 Social Geography	3.0	3.0	0.0	
GEU0010	6 Cultural Geography	3.0	3.0	0.0	
GEU0015	7 Regional Geography	3.0	3.0	0.0	
GEU0016	8 E Statistics for Geography	3.0	3.0	0.0	
GEU0022	9 Fluvial and Coastal Geomorphology	3.0	3.0	0.0	
GEU0024	10 Geomorphology of Taiwan	3.0	3.0	0.0	
GEU0029	11 Climatology of World	3.0	3.0	0.0	
GEU0033	12 Climatology of Taiwan	3.0	3.0	0.0	
GEU0039	13 Climate Change	3.0	3.0	0.0	
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Control   Consol   Consol   Number of Network			<b>A 1</b>	Crec	lit Unit	
62803   15   Meenindary   3.6   3.0   C.3     64803.6   17   Makking Geography   4.6   4.3   C.4     64803.6   18   Geography Opplation   4.6   4.0   C.4     64803.7   11   Geography Of Namina   2.6   2.0   C.3   C.3     65803.8   21   Geography Of Namina   2.6   2.0   C.3   C.3     64803.8   23   Geography Of America   3.6   8.0   C.3   C.3     64803.8   23   Geography Of America   3.6   8.0   C.3   C.	Course Code	Course Name	Credit(s)	Lecture Hour		Note
62803   15   Meenindary   3.6   3.0   C.3     64803.6   17   Makking Geography   4.6   4.3   C.4     64803.6   18   Geography Opplation   4.6   4.0   C.4     64803.7   11   Geography Of Namina   2.6   2.0   C.3   C.3     65803.8   21   Geography Of Namina   2.6   2.0   C.3   C.3     64803.8   23   Geography Of America   3.6   8.0   C.3   C.3     64803.8   23   Geography Of America   3.6   8.0   C.3   C.	GEU0046	14 Geology	3.0	3.0	0.0	
e800063   17   Matching Geography   2.0   2.0   0.0     0200060   19   Hetwoisend Geography   3.0   2.0   0.0     0200060   19   Geography of Faurise   3.0   0.0     0200067   21   Geography of Axia   3.0   0.0     0200070   22   Geography of Axia   3.0   0.0     0200071   23   Geography of Axia   0.0   3.0   0.0     0200071   24   Geography of Axia   0.0   3.0   0.0     0200071   24   Geography of Axia   0.0   3.0   0.0     0200071   25   Geography of Axia   0.0   3.0   0.0     0200070   25   Geography of Chaine Special Programming to Geography   0.0   3.0   0.0     0200108   13   Application Compare Programming to Geography   0.0   3.0   0.0     0200108   13   Application Compare Programming to Geography   0.0   3.0   0.0     0200108   13   S	GEU0047	15 Meteorology	3.0	3.0	0.0	
6420034 18 18 18 18   620036 19 Harbaricani Geography of Touriani 2.6 2.3 1.0   620037 21 Geography of Fauriani 2.6 2.3 1.0   6200373 22 Geography of Ariani 2.6 2.3 1.0   6200373 23 Geography of Ariani 2.6 2.3 1.0   6200374 25 Ranner Sominja 3.6 8.1 1.0   6200375 25 Ranner Sominja 3.6 8.1 1.0   6200374 25 Ranner Sominja 3.6 8.3 1.0   6200373 24 Geography of Ariani 3.6 8.3 1.0   6200374 25 Ranner Sominja 3.6 8.3 1.0   6200373 24 Geography of China 3.6 8.3 1.0   6200373 25 Natural Disarce anaion 3.6 8.3 1.0   6201373 34 Solital Water Conscrution 3.6 8.3 1.0   6201373 34 Solital Water Conscrution	GEU0050	16 Agricultural Geography	2.0	2.0	0.0	
GH1060   19   Behaviorand Geography   8.4   8.4   0.4     GH10617   21   Geography of Larces   8.4   8.4   0.4     GH10617   21   Geography of Avia   8.4   8.4   0.4     GH10617   21   Geography of Avia   8.4   8.4   0.4     GH10617   22   Geography of Avia   8.4   8.4   0.4     GH10617   25   Rennet Sawing   8.4   8.4   0.4     GH10617   25   Rennet Sawing   8.4   8.4   0.4     GH10618   28   Geography of Avia   8.4   8.4   0.4     GH10618   31   Octomography   8.4   8.4   0.4   0.4     GH1018   33   Application Computer Programming to Geography   8.4   8.4   0.4     GH1018   35   Digitat Terrain Analysis   2.0   2.0   0.1     GH1018   34   Schoorandy for Maxing   8.5   8.4   0.6     GH1018   35 <td>GEU0053</td> <td>17 Marketing Geography</td> <td>2.0</td> <td>2.0</td> <td>0.0</td> <td></td>	GEU0053	17 Marketing Geography	2.0	2.0	0.0	
GE0001   20   Geography of Farme   2.0   0.0     GE000903   21   Geography of Farme   3.0   0.0     GE000903   22   Geography of America   3.0   0.0     GE000903   23   Geography of Africa   2.0   0.0     GE00091   25   Remote Sninging   3.0   0.0     GE00091   25   Remote Sninging   3.0   0.0     GE00091   25   Remote Sninging   3.0   0.0     GE00091   29   Nutral Disortes   3.0   0.0   0.0     GE00101   31   Solitad Water Concervation   3.0   0.0   0.0     GE00131   33   Application Computer Programming to Geography   3.0   0.0   0.0     GE00132   32   Coegraphy of China   3.0   0.0   0.0     GE00133   33   Application Computer Programming to Geography 3.0   3.0   0.0   0.0     GE00131   33   Application Analysis   3.0   0.0   0.0	GEU0059	18 Geography of Population	3.0	3.0	0.0	
6400197   21   Corgangby of Karice   3.0   8.0   6.0     6600186   23   Corgangby of Axic   3.0   8.0   6.0     6600197   24   Corgangby of Axic   3.0   8.0   0.0     6600197   25   Remote Sonsing   0.0   8.0   0.0     6600197   27   Gorgangby of Axic   3.0   8.0   0.0     6600197   27   Gorgangby of Axic   0.0   8.0   0.0     6600191   29   Autorlo Disseter   3.0   8.0   0.0     6600118   31   Occanography   0.0   8.0   0.0     6600118   31   Occanography   0.0   8.0   0.0     6600118   32   Solgail Twenis Analysis   2.0   2.0   0.0   0.0     6600118   32   Solgail Twenis Analysis   2.0   2.0   0.0   0.0     6600114   39   Forginersmong Commonphology   0.0   8.0   0.0     6600114   39	GEU0060	19 Behavioural Geography	3.0	3.0	0.0	
12 20 20 0.0   0210000 21 Georgaphy of Arica 2.0 2.0 0.0   02101071 25 Ramots Sansing 2.0 2.0 0.0   02101071 25 Ramots Sansing 2.0 3.0 0.0   02101271 26 Map The and Analysis 3.0 8.0 0.0   02101201 27 Georgaphy in Information System Application 0.0 8.0 0.0   02101201 29 Named Dissters 0.0 0.0 0.0   0210121 31 Obsequepty of Chan 0.0 0.0 0.0   0210121 35 Application Computer Programming to Georgaphy 2.0 0.0 0.0   0210124 35 Objetal Terrain Analysis 2.6 2.0 0.0 0.0   0210124 35 Objetal Terrain Analysis 2.6 2.0 0.0 0.0   0210124 35 Objetal Terrain Analysis 2.6 2.0 0.0 0.0   0210124 35 Objetal Terrain Analysis 2.6 2.0 0.0 0.	GEU0061	20 Geography of Tourism	2.0	2.0	0.0	
GETCO08 2.3 Coogniphy of Africa 2.9 2.0 3.0   GETCO073 2.5 Renuoe Sensing 3.0 3.0 3.0   GETCO074 2.5 May Use and Analysis 3.0 3.0 3.0   GETCO075 2.5 May Use and Analysis 3.0 3.0 3.0   GETCO076 2.7 Geographic Information System Application 3.0 3.0 3.0   GETCO076 2.5 GeoGraphy Of China 3.0 5.6 3.0   GETCO38 3.1 Oceanography Of China 2.0 2.6 3.0   GETCO181 3.5 May Use Concervation 3.0 5.6 3.0   GETCO181 3.5 Solid May Use Concervation 3.0 5.6 3.0   GETCO181 3.5 Solid May Use Concervation 3.0 5.6 3.0   GETCO181 3.5 Solid May Use Concervation 3.0 5.6 3.0   GETCO181 3.5 Solid May Use Concervation 3.0 5.6 3.0   GETCO181 3.5 Solid May Use Concervation 3.0 5.6 <	GEU0067	21 Geography of Europe	3.0	3.0	0.0	
GLU070   34   Geography of Africa   2.0   2.0   0.0     GEOD274   25   Renue Sensing   3.0   3.0   0.0     GEOD274   20   Geography Information System Application   3.0   3.0   0.0     GEOD276   27   Geography Information Compare Programming to Geography   2.0   2.0   0.0     GEOD180   32   Application Compare Programming to Geography   3.0   0.0     GEOD181   33   Application Compare Programming to Geography   3.0   0.0     GEOD181   33   Application Compare Programming to Geography   3.0   0.0     GEOD131   34   Shift and Mate Concervation   3.0   0.0     GEOD131   35   Languacering Geomorphology   3.6   3.0   0.0     GEOD141   36   Commonity Planning   3.0   0.0   0.0     GEOD131   35   Languacering Geomorphology   3.6   3.0   0.0     GEOD141   39   Languacering Geomorphology   3.0   0.0   0	GEU0068	22 Geography of America	3.0	3.0	0.0	
GR0073   25   Renue Sensing   3.0   5.0   0.0     GR0073   27   Geographic Information System Application   3.0   3.0   0.0     GR00803   25   Geographic Information System Application   3.0   5.0   0.0     GR00803   25   Geography   3.0   5.0   0.0     GR00803   30   Instrummental Geography   3.0   5.0   0.0     GR00121   31   Application Computer Programming to Geography   3.0   3.0   0.0     GR00131   31   Shi and Water Conservation   3.0   3.0   0.0     GR00136   30   Shi and Geoomy of Space   3.0   3.0   0.0     GR00137   38   Explacation Geoomy of Space   3.0   3.0   0.0     GR00137   38   Explacation Geoomy of Space   3.0   3.0   0.0     GR00137   38   Explacation Management   3.0   3.0   0.0     GR00138   41   Waterbold Management   3.0   0.0   0	GEU0069	23 Geography of Asia	3.0	3.0	0.0	
G210101   2   Ang Use and Analysis   0.0     G210070   2   Georgenhole Information Stytem Application   0.0   0.0     G210113   20   NameD Disseares.   0.0   0.0     G210113   30   Environmental Geography   2.0   2.3   0.0     G210113   30   Environmental Geography   0.0   0.0   0.0     G210113   31   Application Computer Programming to Geography   0.0   0.0   0.0     G210114   31   Application Computer Programming to Geography   0.0   0.0   0.0     G210114   31   Application Computer Programming to Geography   0.0   0.0   0.0     G210114   31   Application Computer Programming to Geography   0.0   0.0   0.0     G210110   37   Publicat Economy of Space   0.0   0.0   0.0     G210114   38   Engineoring Geomorphology   0.0   0.0   0.0   0.0     G210117   41   Watershed Management   0.0   0.0   0.0	GEU0070	24 Geography of Africa	2.0	2.0	0.0	
0210074 27 Cologanghi California Application 3.0 8.0 0.3   021088 28 H Gan-Sonlogy 0.0 8.0 0.3   0210101 29 Natural Disastes 5.0 5.0 0.3   0210103 31 Occamography 5.0 5.0 0.3   0210124 23 Application Computer Programming to Geography 5.0 5.0 0.3   0210124 23 Application Computer Programming to Geography 5.0 5.0 0.3   0210126 23 Application Computer Programming to Geography 5.0 5.0 0.3   0210126 35 Dight Train Analysis 2.0 8.0 0.3   0210126 36 Datamating Homomy of Space 5.0 8.0 0.3   0210147 38 Natural Resource Conservation 5.0 8.0 0.3   0210177 40 Satellate Homomy of Space 5.0 8.0 0.3   0210178 41 Wateredot Monagement 5.0 8.0 0.3   0210178 42 Elecotonrism and Applications 8.0 8.0 <	GEU0073	25 Remote Sensing	3.0	3.0	0.0	
Bubbles   28 F Gos Ecolegy   3.0   0.0   0.0     BBD 110   30   Environmental Groupshy   2.0   2.0   0.0     BBD 120   31   Ocenoography   2.0   2.0   0.0     BBD 120   31   Ocenoography   7.0   0.0   0.0     BBD 120   32   Application Computer Programming to Geography   3.0   0.0   0.0     BBD 120   35   Digital Terrain Analysis   2.0   2.0   0.0     BBD 120   37   Tolitical Economy of Space   3.0   3.0   0.0     BBD 114   39   Engineering Genurophology   3.0   3.0   0.0     BBD 114   39   Engineering Genurophology   3.0   3.0   0.0     BBD 114   40   Stelline Inage Analysis and Applications   3.0   0.0   0.0     BBD 114   41   Watershet Management   3.0   0.0   0.0     BBD 114   42   Ethe Congraphy   0.0   0.0   0.0     BBD 114   <	GEU0074	26 Map Use and Analysis	3.0	3.0	0.0	
GR00101   29   Nuture Dissioners   3.3   3.4   0.5     GR00103   31   Oscamography   3.3   3.3   0.5     GR00103   32   Geography of China   0.0   0.5     GR00103   32   Geography of China   0.0   0.5     GR00104   35   Solia al Water Conservation   3.0   0.0     GR00105   35   Solia al Water Conservation   3.0   8.0   0.0     GR00105   36   Community Planning   3.0   8.0   0.0     GR00107   38   Rutural Resource Conservation   3.0   8.0   0.0     GR00176   40   Satellite Image Analysis and Applications   3.0   8.0   0.0     GR00176   42   Underspraphy of Development   3.0   8.0   0.0     GR00176   42   Underspraphy of Development   3.0   8.0   0.0     GR00184   41   Surveying   3.0   8.0   0.0     GR00184   41   Surveying Paration	GEU0079	27 Geographic Information System Application	3.0	3.0	0.0	
6E0103   30   Howinamenial Geography   2.0   2.0   0.0     6E10128   31   Oceanography of China   2.0   2.0   0.0     6E010128   33   Application Computer Programming to Geography   3.0   3.0   0.0     6E010131   35   Digital Terrain Analysis   2.0   2.0   0.0     6E01014   34   Solit and Water Conservation   3.0   3.0   0.0     6E01014   36   Horining Hearining   3.0   3.0   0.0     6E01014   39   Engineering Geomerphology   3.0   3.0   0.0     6E01014   39   Engineering Geomerphology   3.0   3.0   0.0     6E01014   40   Materisked Management   3.0   3.0   0.0     6E01018   41   Waterisked Management   3.0   3.0   0.0     6E01018   41   Surveying   3.0   3.0   0.0     6E01018   41   Surveying   3.0   3.0   0.0     6E01018	GEU0086	28 E Geo-Ecology	3.0	3.0	0.0	
GBD0108   31   Occamegraphy.   3.6   8.3   0.0     GBD0126   32   Geography of China   2.6   2.5   0.0     GBD0126   33   Application Computer Programming to Geography   3.6   8.3   0.0     GBD0151   34   Soli and Water Conservation   3.0   8.2   0.0     GBD0154   35   Digital Terrain Analysis   2.0   8.3   0.0     GBD0167   31 E. Donating Geounsphology   3.0   8.3   0.0     GBD0170   31 E. Natural Resource Conservation   3.0   8.3   0.0     GBD0176   40 NaterMed Management   3.0   8.3   0.0     GBD0176   41 WaterStock Management   3.0   8.3   0.0     GBD0178   44 E. Storegraphy of Development   3.0   8.3   0.0     GBD0174   44 Storegraphy   3.0   8.3   0.0     GBD0178   44 Storegraphy   3.0   8.3   0.0     GBD0179   44 Storegraphy   3.0   8.3   0.0	GEU0101	29 Natural Disasters	3.0	3.0	0.0	
GE00120   32   Geography of China   2.0   2.0   0.0     GE00128   33   Application Compare Programming to Geography   3.0   3.0   0.0     GE00132   35   Digital Terrain Analysis   2.0   2.0   0.0     GE00134   35   Digital Terrain Analysis   2.0   0.0     GE00136   37   Political Economy of Space   1.0   3.0   0.0     GE00174   35   Datama Resource Conservation   3.0   0.0   0.0     GE00174   35   Datama Resource Conservation   3.0   0.0   0.0     GE00178   41   Watershed Management   1.0   3.0   0.0     GE00184   43   Surveying   1.0   3.0   0.0     GE00184   44   Surveying   3.0   0.0   0.0     GE00184   45   Urban Bergin and Regeneration   1.0   3.0   0.0     GE00184   45   Urban Magement   1.0   3.0   0.0     GE00184   45 <td>GEU0103</td> <td>30 Environmental Geography</td> <td>2.0</td> <td>2.0</td> <td>0.0</td> <td></td>	GEU0103	30 Environmental Geography	2.0	2.0	0.0	
GE00128   33   Appliantion Computer Programming to Geography   8.0   8.0   0.0     GE0151   34   Soil and Water Conservation   8.0   8.0   0.0     GE01514   36   Community Planning   8.0   8.0   0.0     GE01510   35   Extential Resource Conservation   8.0   8.0   0.0     GE01510   35   Extential Resource Conservation   8.0   8.0   0.0     GE01510   35   Statilite Image Analysis and Applications   8.0   8.0   0.0     GE01517   42   F.The Geography of Everyday Life   8.0   8.0   0.0     GE01518   43   E Geography of Everyday Life   8.0   8.0   0.0     GE01518   44   Surveying   8.0   8.0   0.0     GE01518   44   Surveying   8.0   8.0   0.0     GE01518   45   Urban Existion Imman Geography   8.0   0.0   0.0     GE01518   47   Statian Steinogry   8.0   8.0   0.0 <td>GEU0108</td> <td>31 Oceanography</td> <td>3.0</td> <td>3.0</td> <td>0.0</td> <td></td>	GEU0108	31 Oceanography	3.0	3.0	0.0	
6200151   34   Soli and Water Conservation   3.0   3.0   0.0     6200152   35   Digital Termin Analysis   2.0   0.0     6200160   37   Publical Economy of Space   3.0   3.0   0.0     6200174   39   Ename Resource Conservation   3.0   3.0   0.0     6200174   39   Ename Resource Conservation   3.0   3.0   0.0     6200174   40   Satelline mage Analysis and Applications   3.0   3.0   0.0     6200174   41   Watersheed Management   3.0   3.0   0.0     6200184   42   EThen Georgraphy of Development   3.0   3.0   0.0     6200185   45   Urban Design and Regeneration   3.0   3.0   0.0     6200184   45   Urban Design and Regeneration   3.0   3.0   0.0     6200184   45   Urban Design and Regeneration   3.0   0.0   0.0     6200185   45   Urban Design and Regeneration   3.0   0.0   0.0 <td>GEU0120</td> <td>32 Geography of China</td> <td>2.0</td> <td>2.0</td> <td>0.0</td> <td></td>	GEU0120	32 Geography of China	2.0	2.0	0.0	
GE00192   35   Dipital Terrain Analysis   2.0   2.0   0.0     GE01016   36   Community Planning   0.0   3.0   0.0     GE01010   38 E Natural Resource Conservation   3.0   3.0   0.0     GE010170   38 E Natural Resource Conservation   3.0   3.0   0.0     GE010170   49 Stacline Image Analysis and Applications   3.0   3.0   0.0     GE01179   42 The Geography of Development   3.0   8.0   0.0     GE01183   43 E Geography of Development   3.0   8.0   0.0     GE0184   45 Grosping   3.0   8.0   0.0     GE0184   45 Grosping   3.0   8.0   0.0     GE0187   46 National Park and World Heritage   2.0   0.0   0.0     GE0187   47 Site Planning   3.0   8.0   0.0   0.0     GE0191   49 E Sostiniable Tourism Mangement   2.0   2.0   0.0     GE0201   50 Kading the Classics in Human Geography   3.0   8.0   0.0	GEU0128	33 Application Computer Programming to Geography	3.0	3.0	0.0	
GE00134   36 Community Planning   3.0   3.0   0.0     GE00160   37 Political Economy of Space   3.0   3.0   0.0     GE00170   38 E Natural Resource Conservation   3.0   3.0   0.0     GE001714   39 Engineering Geomorphology   3.0   3.0   0.0     GE00178   41 Watershed Management   3.0   3.0   0.0     GE00178   41 Watershed Management   3.0   3.0   0.0     GE00178   41 Watershed Management   3.0   3.0   0.0     GE00184   43 E Geography of Development   3.0   3.0   0.0     GE00184   44 Surveying   3.0   3.0   0.0     GE00187   40 National Park and World Heringe   2.0   0.0   0.0     GE00184   47 Site Planning   3.0   3.0   0.0   0.0     GE00219   49 E Sustainable Tourism Management   3.0   3.0   0.0   0.0     GE0021   50 Reading the Classics in Human Geography   3.0   0.0   0.0     GE00224	GEU0151	34 Soil and Water Conservation	3.0	3.0	0.0	
GE00134   36 Community Planning   3.0   3.0   0.0     GE00160   37 Political Economy of Space   3.0   3.0   0.0     GE00170   38 E Natural Resource Conservation   3.0   3.0   0.0     GE001714   39 Engineering Geomorphology   3.0   3.0   0.0     GE00178   41 Watershed Management   3.0   3.0   0.0     GE00178   41 Watershed Management   3.0   3.0   0.0     GE00178   41 Watershed Management   3.0   3.0   0.0     GE00184   43 E Geography of Development   3.0   3.0   0.0     GE00184   44 Surveying   3.0   3.0   0.0     GE00187   40 National Park and World Heringe   2.0   0.0   0.0     GE00184   47 Site Planning   3.0   3.0   0.0   0.0     GE00219   49 E Sustainable Tourism Management   3.0   3.0   0.0   0.0     GE0021   50 Reading the Classics in Human Geography   3.0   0.0   0.0     GE00224		35 Digital Terrain Analysis				
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GETO1178   41   Watershed Management   3.0   3.0   0.0     GRT00183   42   E The Geography of Evelopment   3.0   3.0   0.0     GRT00183   44   Surveying   3.0   3.0   0.0     GRT00184   44   Surveying   3.0   3.0   0.0     GRT00184   44   Surveying   3.0   3.0   0.0     GRT00184   45   Urbun Design and Regeneration   3.0   3.0   0.0     GRT00184   47   Site Planning   3.0   3.0   0.0     GRT00184   47   Site Planning   3.0   3.0   0.0     GRT00184   47   Site outsin and Recreation   3.0   3.0   0.0     GRT00125   5   Approach in Geography   3.0   3.0   0.0   0.0     GRT00126   51   Mapnoach in Geography   2.0   2.0   0.0   0.0     GRT00217   52   Spatial Descision Support System   2.0   2.0   0.0 <td< td=""><td></td><td>39 Engineering Geomorphology</td><td></td><td></td><td></td><td></td></td<>		39 Engineering Geomorphology				
GETO1178   41   Watershed Management   3.0   3.0   0.0     GRT00183   42   E The Geography of Evelopment   3.0   3.0   0.0     GRT00183   44   Surveying   3.0   3.0   0.0     GRT00184   44   Surveying   3.0   3.0   0.0     GRT00184   44   Surveying   3.0   3.0   0.0     GRT00184   45   Urbun Design and Regeneration   3.0   3.0   0.0     GRT00184   47   Site Planning   3.0   3.0   0.0     GRT00184   47   Site Planning   3.0   3.0   0.0     GRT00184   47   Site outsin and Recreation   3.0   3.0   0.0     GRT00125   5   Approach in Geography   3.0   3.0   0.0   0.0     GRT00126   51   Mapnoach in Geography   2.0   2.0   0.0   0.0     GRT00217   52   Spatial Descision Support System   2.0   2.0   0.0 <td< td=""><td></td><td></td><td></td><td></td><td>0.0</td><td></td></td<>					0.0	
CEUD179   42 E The Geography of Development   3.0   3.0   0.0     CEUD183   43 E Geography of Development   3.0   3.0   0.0     CEUD184   45 Urhan Design and Regeneration   3.0   3.0   0.0     CEUD184   45 Urhan Design and Regeneration   3.0   3.0   0.0     CEUD184   47 Site Planning   3.0   3.0   0.0     CEUD184   47 Site Planning   3.0   3.0   0.0     CEUD194   48 Ecotourism Management   3.0   3.0   0.0     CEUD201   50 Reading the Classics in Human Geography   3.0   3.0   0.0     CEUD202   51 Approach in Geography   3.0   3.0   0.0     GEUD204   53 Urban Sociology   3.0   3.0   0.0     GEUD214   56 Studies in Teaching of Introduction to Geography   2.0   2.0   0.0     GEUD215   57 Spatial Experience and Observation   2.0   2.0   0.0     GEUD214   56 Studies in Teaching of Regional Geography   2.0   2.0   0.0	GEU0178					
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GEU0184   44   Surveying   3.0   3.0   0.0     GEU0188   45   Urban Design and Regeneration   3.0   3.0   0.0     GEU0188   47   Site Planning   3.0   3.0   0.0     GEU0188   47   Site Planning   3.0   3.0   0.0     GEU0194   48   Ecotourism and Recreation   3.0   3.0   0.0     GEU0201   50   Reading the Classics in Human Geography   3.0   3.0   0.0     GEU0202   51   Approach in Geography   3.0   3.0   0.0     GEU0203   52   Spatial Decision Support System   2.0   2.0   0.0     GEU0204   53   Urban Sociology   3.0   3.0   3.0   0.0     GEU0218   55   Studies in Teaching of Regional Geography   2.0   2.0   0.0     GEU0218   57   Spatial Experience and Observation   2.0   2.0   0.0     GEU0218   60   The Global Positioning System   2.0   2.0   0.0						
GRU0186   45   Urban Design and Regeneration   3.0   3.0   0.0     GRU0187   46   National Park and World Heritage   2.0   2.0   0.0     GRU0188   47   Site Planning   3.0   3.0   0.0     GRU0184   48   Ecotourism and Recreation   3.0   3.0   0.0     GRU0192   50   Reading the Classics in Human Geography   3.0   3.0   0.0     GRU0202   51   Approach in Geography   3.0   3.0   0.0     GRU0202   51   Approach in Geography   3.0   3.0   0.0     GRU0202   51   Approach in Geography   3.0   3.0   0.0     GRU0218   55   Studies in Teaching of Introduction to Geography   2.0   0.0   0.0     GRU0214   56   Studies in Teaching of Regional Geography   2.0   2.0   0.0     GRU0215   57   Spatial Experience and Observation   2.0   2.0   0.0     GRU0216   61   Throitononental Svatianbility   3.0						
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GEU0188   47   Site Planning   3.0   3.0   3.0   0.0     GEU0194   48   Ecotourism Management   3.0   3.0   0.0     GEU0201   50   Reading the Classics in Human Geography   3.0   3.0   0.0     GEU0202   51   Approach in Geography   3.0   3.0   0.0     GEU0202   51   Approach in Geography   3.0   3.0   0.0     GEU0204   53   Uthan Sociology   3.0   3.0   0.0     GEU0204   53   Utdics in Teaching of Introduction to Geography   2.0   2.0   0.0     GEU0214   56   Studies in Teaching of Regional Geography   2.0   2.0   0.0     GEU0215   57   Spatial Experience and Observation   2.0   2.0   0.0     GEU0218   60   The Global Positioning System   2.0   2.0   0.0     GEU0227   62   Land Laws and Regulations   3.0   3.0   0.0     GEU0228   63   Advanced Geography   3.0 <td< td=""><td></td><td>0 0</td><td></td><td></td><td></td><td></td></td<>		0 0				
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GEU0201   50   Reading the Classics in Human Geography   8.0   8.0   8.0   0.0     GEU0202   51   Approach in Geography   8.0   8.0   0.0     GEU0203   52   Spatial Decision Support System   2.0   2.0   0.0     GEU0204   53   Urban Sociology   3.0   3.0   0.0     GEU0204   54   Recreational Resource Management   2.0   2.0   0.0     GEU0214   56   Studies in Teaching of Regional Geography   2.0   2.0   0.0     GEU0215   57   Spatial Decision geographically in Film   3.0   3.0   0.0     GEU0216   58   Thinking Geographically in Film   3.0   3.0   0.0     GEU0216   61   Environmental System   2.0   0.0   0     GEU0228   61   Advanced Geography   3.0   3.0   0.0     GEU0228   63   Advanced Geography Education   2.0   2.0   0.0     GEU0231   66   Evaluation of Geography Education <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
GEU0202   51   Approach in Geography   3.0   3.0   0.0     GEU0203   52   Spatial Decision Support System   2.0   2.0   0.0     GEU0204   53   Urban Sociology   3.0   3.0   3.0   0.0     GEU0213   55   Studies in Teaching of Introduction to Geography   2.0   2.0   0.0     GEU0214   56   Studies in Teaching of Regional Geography   2.0   2.0   0.0     GEU0216   58   Thinking Geographically in Film   3.0   3.0   0.0     GEU0216   58   Thinking Geographically in Film   3.0   3.0   0.0     GEU0216   58   Thinking Geographically in Film   3.0   3.0   0.0     GEU0216   61   Environmental Sustainability   3.0   3.0   0.0     GEU0228   63   Advanced Geography   3.0   3.0   0.0     GEU0228   64   Project-Based Learning in Geography   3.0   3.0   0.0     GEU0230   65   Environmental Management and Reg		_				
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GEU023669Water Resources Engineering and Planning3.03.00.0GEU023770Landscape Graphic Drawing3.03.00.0GEU023871Geography of Railways2.02.00.0GEU023972Geovisualization3.03.00.0GEU024073Special Topics in the Inquiry and Practice of Social Studies2.02.00.0GEU024174Introduction to Social Studies2.02.00.0GEU024375Indigenous Geography3.03.00.0GEU024477Morphometry and Field Geomorphology3.03.00.0	GEU0235		3.0	3.0	0.0	
GEU023770Landscape Graphic Drawing3.03.00.0GEU023871Geography of Railways2.02.00.0GEU023972Geovisualization3.03.00.0GEU024073Special Topics in the Inquiry and Practice of Social Studies2.02.00.0GEU024174Introduction to Social Studies2.02.00.0GEU024275Indigenous Geography3.03.00.0GEU024376Urban and Regional Planning3.03.00.0GEU024477Morphometry and Field Geomorphology3.03.00.0						
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GEU0240Studies2.02.00.0GEU024174Introduction to Social Studies2.02.00.0GEU024275Indigenous Geography3.03.00.0GEU024376Urban and Regional Planning3.03.00.0GEU024477Morphometry and Field Geomorphology3.03.00.0	GEUUZ38		3.0	3.0	0.0	
GEU024174Introduction to Social Studies2.02.00.0GEU024275Indigenous Geography3.03.00.0GEU024376Urban and Regional Planning3.03.00.0GEU024477Morphometry and Field Geomorphology3.03.00.0	GEU0240		2.0	2.0	0.0	
GEU024376Urban and Regional Planning3.03.00.0GEU024477Morphometry and Field Geomorphology3.03.00.0	GEU0241		2.0	2.0	0.0	
GEU0244 77 Morphometry and Field Geomorphology 3.0 3.0 0.0	GEU0242	75 Indigenous Geography	3.0	3.0	0.0	
	GEU0243	76 Urban and Regional Planning	3.0	3.0	0.0	
GEU0256 78 Home Geography 2.0 2.0 0.0	GEU0244	77 Morphometry and Field Geomorphology	3.0	3.0	0.0	
	GEU0256		2.0	2.0	0.0	

		Credit Unit			
Course Code	Course Name	Credit(s)	Lecture Hour	Lab/Practice Hour	Note
GEU0246	79 Computer-Aided Geography Instruction	2.0	2.0	0.0	
GEU0247	80 Urban Geographic Information System	3.0	3.0	0.0	
GEU0248	81 Location Analysis and Site Selection	3.0	3.0	0.0	
GEU0249	82 Introduction to Biodiversity and Conservation Biology	3.0	3.0	0.0	
GEU0250	83 Biodiversity in Taiwan	3.0	3.0	0.0	
GEU0251	84 Indigenous People for Environmental Conservation	2.0	2.0	0.0	
GEU0252	85 E Population, Culture and Migration in Europe	3.0	3.0	0.0	
GEU0253	86 E Sustainable Development in East Asia	1.0	1.0	0.0	
GEU0254	87 Toponymy	2.0	2.0	0.0	
GEU0255	88 Military and Strategic Geography	3.0	3.0	0.0	
GEC9002	89 E Social Network Analysis	3.0	3.0	0.0	
GEU0257	90 Food Culture Geography	3.0	3.0	0.0	
GEC9001	91 Web Crawler Practice	3.0	3.0	0.0	

IV. Free Elective Credits: 21.0 credits are required

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