

Teaching Program for Physical Geography and Resource Environment

(2015)

1. Training Goal: The undergraduate physical geography and resource environment program aim to produce graduates with good knowledge of the theory and practice of physical geography and resource environment on which to build a professional career. The program cover aspects of earth surface development, natural resources management, environmental protection, 3S technology. Graduates are able to develop responsible attitudes towards the needs of society and the environment in application of their knowledge in related enterprises and institutions.

2. School Year: 4 years full-time

3. Degree Awarded: Bachelor's Degree of Science

4. Credit Requirements: Students should complete 160 credits, including 51 credits in general compulsory courses, 9 credits in general elective courses, 45 credits in discipline-based courses, 32 credits in compulsory courses, 15 credits in distributional elective courses, 8 credits in comprehensive practical courses. At the same time, students must also obtain 10 extra credits in quality development courses, and study the courses of College Student Health education, etc.

5. Requirements for Students from Hong Kong, Macao and Taiwan

In accordance with the regulations of the ministry of education, students from Hong Kong, Macao and Taiwan do not need to study the courses in National Defense Education and Ideological and Political Theory. However, they must study the rest of the courses, according to the requirements of the professional teaching plan.

6. Requirements for Overseas Students

In accordance with the regulations of the ministry of education, foreign students do not need to study the courses in National Defense

Education. Foreign students major in philosophy, political science and economics must study political theory courses, while others need not. Chinese and China's general situation are compulsory courses, and they must study the rest of the courses, according to the requirements of the professional teaching plan.

7. Teaching Schedule

Table 1: The Reference Table of Physical Geography and Recourse Environment to Earn Credits

Course Type	Course Nature	Due Credit	Due Credits for Each Term								Total
			1	2	3	4	5	6	7	8	
Public Courses	compulsory	51	10.5	15	7	7	5	6.5	0	0	51
	Limit	9	0	1	1	1	2	2	2	0	9
Discipline-Based Courses	compulsory	45	13	8	13	11	0	0	0	0	45
Specialized Courses	compulsory	32	1	0	2	3	14	12	0	0	32
	Limit	15	0	0	0	0	5	7	3	0	15
Comprehensive Application Courses	compulsory	8	0	1	0	0	1	0	3	3	8
Total		160	24.5	25	23	22	27	27.5	8	3	160

Table 2: The Teaching Program Schedule of Physical Geography and Recourse Environment

Course Category	Course Nature	Course Type	Course Identifier	Course Name	Credit	Weeks for Studying	Total Credit	Allocation of Hours			Allocation of Each Term by Weeks								Way of Assessment	
								Lecturing	Experiment	Practice	1	2	3	4	5	6	7	8		
											15	16	16	16	16	16	16	15		
Public Courses	Compulsory	EOND	140471	military theory (Including military training)	1.0	15	15	15	0	0	1									☆
		TOIAP	140193	basic principle of Marxism	3.0	16	48	32	0	16		3								★
			140464	Ideological and moral cultivation and legal basis	4.0	16	64	48	0	16		4								★
			140473	Introduction to Maoism and Theoretical System of Socialism with Chinese Characteristics I	3.0	16	48	48	0	0				3						★

			140222	Outline of Modern Chinese History	2.0	16	32	32	0	0				2				★
			140483	Introduction to Maoism and Theoretical System of Socialism with Chinese Characteristics II	3.0	16	48	32	0	16					3			☆
			140242	Situation and Policy	2.0	16	32	32	0	0						2		☆
		Language and Skills I	119612	basics of computer application	2.0	15	30	8	22	0	2							★
			121542	College Chinese	2.0	16	32	32	0	0		2						★
			119553	Visual Basic (VB)	3.0	16	48	34	14	0			3					★

		Language and Skills I I	090834	college EnglishIIIa	4.0	15	60	60	0	0	4								★	
			090864	college EnglishIIb	4.0	15	60	60	0	0	4									★
			090844	college EnglishIVa	4.0	16	64	64	0	0		4								★
			090874	college EnglishIIIb	4.0	16	64	64	0	0		4								★
			090884	college EnglishIVb	4.0	16	64	64	0	0			4							★
			180264	English-Chinese/Chinese-English Translation	4.0	16	64	64	0	0			4							★
			180412	Academic English	2.0	16	32	32	0	0				2						★
		Physical and Psychological Quality Ed	130452	physical education I	2.0	15	30	30	0	0	2								☆	
			400015	Mental health education of college students	0.5	8	8	8	0	0	1								☆	
			130462	physical education II	2.0	16	32	32	0	0		2							☆	
			140611	mental health education of college students	1.0	16	16	16	0	0		1							☆	

			130472	physical education III	2.0	16	32	32	0	0					2				☆
			400002	Entrepreneurship	2.0	16	32	32	0	0					2				☆
			130482	physical education IV	2.0	16	32	32	0	0					2				☆
			340051	Employment guidance	0.5	8	8	8	0	0							1		☆
		Total			51		806	708	34	64	11	15	7	7	5	7			
Limit	Public Courses		990032	General restrictive course (1)	1.0	16	16	16	0	0		1							☆
			990062	General restrictive course (2)	1.0	16	16	16	0	0			1						☆
			990072	General restrictive course (3)	1.0	16	16	16	0	0				1					☆
			000001	The humanities course	2.0	16	32	32	0	0					2				☆
			990042	Social science	2.0	16	32	32	0	0						2			☆
			990052	Art	2.0	16	32	32	0	0								2	

		Total		9		144	144				1	1	1	2	2	2					
Discipline-Based Courses	Compulsory	Discipline-Based Courses	085584	Essentials of Geology	4.0	15	60	48	12	0	4								★		
			100066	Advanced Mathematics I	6.0	15	90	90	0	0	6										★
			085023	Human Geography	3.0	15	45	45	0	0	3										★
			085704	Geomorphology	4.0	16	64	52	12	0		4									★
			100074	Advanced Mathematics II	4.0	16	64	64	0	0		4									★
			080663	Environmental Science	3.0	16	48	48	0	0			3								★
			085713	An Introduction to Remote Sensing	3.0	16	48	30	18	0			3								★
			101044	Linear Algebra	4.0	16	64	64	0	0			4								★
			085733	Meteorology and Climatology	3.0	16	48	39	9	0			3								★
			081363	Geographical Information	3.0	16	48	48	0	0					3						★

				System																	
			105014	Probability Theory and Mathematical	4.0	16	64	64	0	0				4					★		
			085694	Cartography and Surveying	4.0	16	64	32	32	0				4					★		
	Total				45		707	624	83		13	8	13	11							
Specialized Courses	Compulsory	Specialized Courses	129651	Introduction to Physical Geography and Recourse Environment	1.0	8	16	16	0	0	2								☆		
			085722	Geology and Geomorphology field work	2.0	2	32	0	0	32			16							☆	
			085753	Introduction of Plant Geography	3.0	1	48	39	9	0					48						★
			085763	Soil Geography	3.0	16	48	39	9	0						3					★
			085743	Hydrology and Water	3.0	16	48	39	9	0						3					★

			Resources														
		081252	Professional comprehensive field work	2.0	1	32	0	0	32				32				☆
		085783	Quantitative geography	3.0	16	48	28	20	0				3				★
		081263	Land Resource Management	3.0	16	48	48	0	0				3				★
		081273	Principles of Natural Resources	3.0	16	48	48	0	0					3			★
		085112	Regional Planning	2.0	16	32	32	0	0					2			☆
		085283	Economic Geography	3.0	16	48	48	0	0					3			★
		085372	Discipline comprehensive field work	2.0	2	32	0	0	32					16			☆
		085772	Physical Geography of China	2.0	16	32	32	0	0					2			★
		<i>Total</i>		32		512	369	47	96	2		16	48	44	26		

			information and Paper writing															
		160522	CAD-Computer Aided Design	2.0	8	32	32	0	0						4			☆
		085342	Remote sensing digital image processing	2.0	16	32	12	20	0				2					☆
		085793	Disaster Emergency management and Control engineering	3.0	16	48	39	0	9				3					☆
		160302	Disaster assessment and Insurance	2.0	8	32	32	0	0					4				☆
		085352	Progress in Physical Geography	2.0	16	32	32	0	0					2				☆
		081313	GIS software applications	3.0	16	48	48	0	0					3				☆

Note:

★: Examination

☆: Investigation

Program Chief: Tang Xiaochun

Dean: Tang Xiaochun

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