



SS Geography Courses 2021-2022

Topic Description and Course Programme for 5-Day Courses

Topic Summary

Topics	Topic Code	Duration (Day)			Upper limit of students	Field Sites
		1	1.5	2		
Perception Study of Natural Hazards in Cheung Chau 長洲自然災害的感知研究	OP	✓			60	Cheung Chau
Exploring the Coast in Cheung Chau 長洲海岸探索	CE	✓	✓		60	Cheung Chau coastal area
Physical Environment of Cheung Chau 長洲的自然環境	PE	✓			60	Little Great Wall to Nam Tum, Cheung Chau
Drifting Classroom 漂流教室	DC		✓		60	River Silver and Wang Tong, Mui Wo
Managing River and Stream Quality 河流管理與水質研究	MR			✓	50	River Silver and Wang Tong, Mui Wo
Urban Problems in Cheung Chau 從長洲看城市問題	UP	✓			80	Cheung Chau downtown
Sustainable City Study 可持續發展城市研究	SC		✓	✓	80	Cheung Chau downtown
Farming System in Mui Wo 從梅窩看農業系統	AG		✓	✓	40	Mui Wo
Exploring Woodland in Cheung Chau 長洲林地探索 (NEW)	WL	✓	✓		60	Chi Ma Hang Road, Cheung Chau
Studies of Island Weather 小島天氣研究	IS	✓			80	Cheung Chau
Traffic and Pedestrian Flow Studies 交通及人流研究	TR	✓			40	Cheung Chau downtown

Choice of Topics

Teachers can choose **THREE** topics with **EITHER** combination:

- ◆ Combination 1: **1 + 1.5 + 2** (One 1-day topics, one 1.5-day topic and one 2-day topic)
- ◆ Combination 2: **1.5 + 1.5 + 1.5** (Three 1.5-day topics)

Topic Description

OP. Perception Study of Natural Hazards in Cheung Chau (長洲自然災害的感知研究)

- Relevance to the DSE curriculum - Opportunities and Risks
- Knowledge:
 - to understand the major natural hazards in Hong Kong
 - to evaluate the perception of Hong Kong citizens on natural hazards
 - to analyze the responses of Hong Kong citizens on natural hazards
- Skills:
 - to test hypothesis
 - to apply sampling methods in data collection
 - to use data collection methods such as questionnaire, interview and scoring
 - to use choropleth maps and scatter diagrams to process data
- Values:
 - to understand the role of human in complex man-land relationships

CE. Exploring the Coast in Cheung Chau (長洲海岸探索)

- Relevance to the DSE curriculum - Managing River and Coastal Environments
- Knowledge:
 - to identify the characteristics of coast and the coastal landform features
 - to examine the factors and processes in shaping the coast
- Skills:
 - to exercise the sampling methods
 - to apply various data collection methods e.g. drawing field sketches and using field equipment for measurement
 - to draw beach profile for processing and presenting the morphological data
- Values:
 - to appreciate the beauty of the nature
 - be aware the importance of managing marine resources sustainably and maintaining the safety of marine resources.

PE. Physical Environment of Cheung Chau (長洲的自然環境)

- Relevance to the DSE curriculum - Managing River and Coastal Environments
- Dynamic Earth
 - Knowledge: - to observe the geology of Cheung Chau
- to understand the physical landscapes along Little Great Wall to Nam Tum in Cheung Chau in relation to internal and external processes (weathering, erosion and mass wasting)
 - Skills: - to practise geological fieldwork techniques
- to measure the weather conditions by field equipment
 - Values: - to appreciate and cherish the invaluable geological resources
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DC. Drifting Classroom (漂流教室)

- Relevance to the DSE curriculum - Managing River and Coastal Environments
 - Knowledge: - to identify the characteristics of river courses and the associated landforms
- to relate the exogenetic fluvial processes with the characteristics of river courses and the associated landforms
- to analyze how human factors (river management measures and land use) affect the characteristics of river courses
 - Skills: - to collect field data by appropriate equipment
- to draw cross-section
 - Values: - to appreciate the beauty of rivers
- to respect and treasure the intimate relationship between rivers, ecosystem and settlement
- aware the importance of water quality to water resources of China and H.K.
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MR. Managing River and Stream Quality (河流管理與水質研究)

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| ▪ Relevance to the DSE curriculum | - | Managing River and Coastal Environments |
| ▪ Knowledge: | - | to understand the fluvial processes with the characteristics of the river courses |
| | - | to analyze how human factors affect the fluvial process and water quality |
| | - | to study the management strategies of river systems |
| ▪ Skills: | - | to collect data by field equipment and conduct laboratory work |
| | - | to draw cross-section |
| ▪ Values: | - | to concern the effects of urban encroachment on rural environment. |
| | - | to aware the importance of water quality to water resources of China and H.K. |
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UP. Urban Problems in Cheung Chau (從長洲看城市問題)

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| ▪ Relevance to the DSE curriculum | - | Building a Sustainable City |
| ▪ Knowledge: | - | to investigate the relationship between urban problems and distance of town center of study area |
| ▪ Skills: | - | to assess the level of urban decay |
| | - | to draw choropleth maps |
| ▪ Values: | - | to develop students' awareness of urban problems and sustainable development |
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SC. Sustainable City Study (可持續發展城市研究)

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|-----------------------------------|---|--|
| ▪ Relevance to the DSE curriculum | - | Building a Sustainable City |
| ▪ Knowledge: | - | to investigate the relationship between urban problems and distance of town center of study area |
| | - | to solve urban problems from a sustainable development angle |
| ▪ Skills: | - | to assess the level of urban decay |
| | - | to draw choropleth maps |
| | - | to compare the effects of different sampling methods |
| ▪ Values: | - | to develop students' awareness of urban problems and sustainable development |
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AG. Farming System in Mui Wo <1.5-Day version> (從梅窩看農業系統 <1.5 日版本>)

- Relevance to the DSE curriculum - Combating Famine
 - Knowledge:
 - to understand farming system (conventional farming and hydroponic system)
 - to examine how urban development affects agricultural activities
 - to evaluate the feasibility of modern farming technologies for sustainable development
 - Skills:
 - to classify land use in various agricultural areas
 - to conduct laboratory works of water samples
 - to analyze second-hand data
 - Values:
 - to develop students' awareness of the development of sustainable farming
 - to understand the impact of farming activities on the ecological environment and our responsibilities
 - be aware the importance of sustainable farming development to the national food supply security
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AG. Farming System in Mui Wo <2-Day version> (從梅窩看農業系統 <兩日版本>)

- Relevance to the DSE curriculum - Combating Famine
 - Knowledge:
 - to understand the operation of farming system (conventional farming and hydroponic system)
 - to examine how urban development affects agricultural activities
 - to evaluate the feasibility of modern technologies to overcome the agricultural constraints encountering in Hong Kong
 - Skills:
 - to exercise sampling methods
 - to apply various field data collection methods, such as scoring, mapping and interview
 - to conduct chemical testing of soil and stream water quality
 - to analyse secondary data
 - Values:
 - to develop students' awareness of the development of sustainable farming
 - to understand the impact of farming activities on the ecological environment and our responsibilities
 - be aware the importance of sustainable farming development to the national food supply security
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WL. Exploring Woodland in Cheung Chau (長洲林地探索)

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| ▪ Relevance to the DSE curriculum | - Disappearing Green Canopy |
| ▪ Knowledge: | - to understand abiotic, biotic components and their interrelationships
- to understand the structure of woodland
- to assess the impact of human on vegetation, e.g. woodland |
| ▪ Skills: | - to collect data of vegetation
- to conduct laboratory work of soil properties (not applicable for 1 day duration)
- to compare and analyze first-hand data |
| ▪ Values: | - to understand the impact of human activities on the ecological environment, the needs of sustainable development, and the necessity of safeguarding ecological security
- to cherish the interdependence of human and natural environment
- to develop a sense of conservation of tropical rainforests |
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IS. Studies of Island Weather (小島天氣研究)

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| ▪ Relevance to the DSE curriculum | - Climate Change
- Weather and Climate |
| ▪ Knowledge: | - to understand the weather elements and the factors contributing to the weather differences
- to examine how the natural factors and human activities affect weather |
| ▪ Skills: | - to use different field equipment to measure weather elements
- to compare the weather data of different field sites in Cheung Chau
- to draw broken-line graph of different weather data |
| ▪ Values: | - to be sensitive to the changing environment around us |
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TR. Traffic and Pedestrian Flow Studies (交通及人流研究)

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| ▪ Relevance to the DSE curriculum | - Transport Development, Planning and Management |
| ▪ Knowledge: | - to study the traffic and pedestrian flow
- to analyze the interrelationship between the traffic and pedestrian flow and surrounding environment |
| ▪ Skills: | - to use field observation, measurement and counting skill to collect field data
- to understand sampling method to improve the validity and reliability of data collected |
| ▪ Values: | - to understand the relationship between the transportation system and social development |
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✚ Course Programme

Our Centre will customize a course program according to the topics you prefer.

✚ Ferry Schedule

Teachers and students are recommended to take the following ferries:

◆ Central to Cheung Chau	Fast ferry:	08:00 OR 08:40 (35 minutes)
◆ Cheung Chau to Central	Fast ferry:	16:45 (35 minutes) OR
	Ordinary ferry:	17:15 (55 minutes)

Ferry schedule and fare of Sun Ferry: <http://www.nwff.com.hk/>

✚ Centre Campus Map

 明愛陳震夏郊野學園
Caritas Chan Chun Ha Field Studies Centre



聖方濟校園：香港長洲芝麻坑路39號

St. Francis Campus : 39 Chi Ma Hang Rd, Cheung Chau, Hong Kong

聖保祿校園：香港長洲長洲地段1139號龍仔村 St. Paul Campus : C C Lot No. 1139, Lung Tsai Tsuen, Cheung Chau, Hong Kong