



SS Geography Courses 2020-2021

Topic Description and Course Programme for 4-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 從長洲看都市問題	UP	✓			80	Cheung Chau downtown
Sustainable City Study 可持續都市研究	SC		✓	✓	80	Cheung Chau downtown
Agricultural System in Mui Wo 從梅窩看農業系統	AG		✓	✓	40	Mui Wo
Exploring Woodland in Cheung Chau 長洲樹林探索	WL	✓	✓		40	Chi Ma Hang Road or Nam Tum, 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 + 2** (Two 1-day topics and one 2-day topic)
- ◆ Combination 2: **1.5 + 1.5 + 1** (Two 1.5-day topics and one 1-day topic)

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 |

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

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

MR. Managing River and Stream Quality (河流管理與水質研究)

- | | | |
|-----------------------------------|---|---|
| ▪ 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 rural environment that is affected by urban encroachment |

UP. Urban Problems in Cheung Chau (從長洲看都市問題)

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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 |

SC. Sustainable City Study (可持續都市研究)

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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 |

AG. Agricultural System in Mui Wo <1-Day version> (從梅窩看農業系統 <一日版本>)

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|-----------------------------------|---|
| ▪ Relevance to the DSE curriculum | - Combating Famine |
| ▪ Knowledge: | - to understand the operation of agricultural system (conventional farming and hydroponic)
- to examine how urban development affects agricultural activities
- to assess the feasibility of sustainable agricultural development through application of modern agricultural technology |
| ▪ 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 agriculture |

AG. Agricultural System in Mui Wo <2-Day version> (從梅窩看農業系統 <兩日版本>)

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|-----------------------------------|--|
| ▪ Relevance to the DSE curriculum | - Combating Famine |
| ▪ Knowledge: | - to understand the operation of agricultural 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 applying various field data collection methods, such as scoring, mapping and interview
- to conduct laboratory examination of stream water quality |
| ▪ Values: | - to develop students' awareness of the sustainable agricultural development |

WL. Exploring Woodland in Cheung Chau (長洲樹林探索)

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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 |
| ▪ Skills: | - | to collect data of vegetation and micro-climate |
| | - | to conduct laboratory work of soil properties |
| | - | to compare and analyze first-hand data |
| ▪ Values: | - | to cherish the interdependence of human and natural environment |
| | - | to develop environmental friendly behaviour to tropical rainforest |

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 |

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 |
| ▪ Values: | - | to understand the relationship between the transportation system and social development |

✚ 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 First 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