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SS Geography Courses 2020-2021

Topic Description and Course Programme for 1-Day Courses

Topic Summary

Topics	Upper limit of students	Field Sites
1. Perception Study of Natural Hazards in Cheung Chau 長洲自然災害的感知研究	60	Cheung Chau
2. Exploring the Coast in Cheung Chau 長洲海岸探索	60	Cheung Chau coastal area
3. Physical Environment of Cheung Chau 長洲的自然環境	60	Little Great Wall to Nam Tum, Cheung Chau
4. Drifting Classroom 漂流教室	60	River Silver and River Wang Tong, Mui Wo
5. From Channel to Stream: Kai Tak River 啟德河的蛻變—從渠道到清溪	40	Kai Tak River, Wong Tai Sin
6. Changing Industrial Location--Wong Chuk Hang 轉變中的工業區位—黃竹坑	40	Wong Chuk Hang
7. Urban Problems in Cheung Chau 從長洲看都市問題	80	Cheung Chau downtown
8. Agricultural System in Mui Wo 從梅窩看農業系統	40	Mui Wo
9. Exploring Woodland in Cheung Chau 長洲樹林探索	40	Chi Ma Hang Road or Nam Tum, Cheung Chau
10. Studies of Island Weather 小島天氣研究	80	Cheung Chau
11. Traffic and Pedestrian Flow Studies 交通及人流研究	40	Cheung Chau downtown

Choice of Topics

Teachers can choose **EITHER** topic from the above.

Topic Description

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

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|-----------------------------------|--|
| ▪ 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 |

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

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|-----------------------------------|--|
| ▪ 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 |

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

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|-----------------------------------|--|
| ▪ 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 |

4. **Drifting Classroom (漂流教室)**

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|-----------------------------------|---|
| ▪ 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 |

5. From Channel to Stream: Kai Tak River (啟德河的蛻變—從渠道到清溪)

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|-----------------------------------|---|---|
| ▪ Relevance to the DSE curriculum | - | Managing River and Coastal Environments |
| ▪ Knowledge: | - | to understand the usage of the urban stream
- to understand the management strategies of urban stream
- to analysis the relationship between stream and surrounding land uses |
| ▪ Skills: | - | to undergo classification and record of land use and land distribution
- to observe the field evidence to understand the relationship between the role of the river and the surrounding environment
- to calculate the percentage of land use, draw the pie chart and conduct questionnaire |
| ▪ Values: | - | to appreciate the urban stream |

6. Changing Industrial Location -- Wong Chuk Hang (轉變中的工業區位—黃竹坑)

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|-----------------------------------|---|---|
| ▪ Relevance to the DSE curriculum | - | Changing Industrial Location |
| ▪ Knowledge: | - | to understand the present situation of manufacturing and non-manufacturing activities in the study area
- to analyze the change of manufacturing activities and the locational factors of Wong Chuk Hang |
| ▪ Skills: | - | to use appropriate sampling methods to improve the representativeness and reliability of data collected
- to use various fieldwork strategies to collect first-hand data e.g. land use mapping, categorizing and counting, observation and recording
- to use appropriate statistical graphs to display quantitative data |
| ▪ Values: | - | to cherish the industry of Hong Kong |

7. 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 |

8. Agricultural System in Mui Wo (從梅窩看農業系統)

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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 |

9. 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 |

10. 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 |

11. 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 |
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Course Programme

Programme	Field site	Page no.
1.1	Cheung Chau	p.7
1.2	Mui Wo	p.7
1.3	Kai Tak River (Wong Tai Sin)	p.8
1.4	Wong Chuk Hang	P.9

Course Programme 1.1: A topic with field sites at Cheung Chau (Topic 1, 2, 3, 7, 9, 10, 11)

Time	Course Programme
08:40 - 09:15	<i>Fast ferry from Central to Cheung Chau</i>
am session	<u>09:15– 09:30</u> ♦ Walk to St. Paul Campus <u>09:30 – 11:00</u> ♦ Fieldwork briefing <u>11:00 – 12:30</u> ♦ Fieldwork
12:30 - 13:30	<i>Lunch (Cheung Chau downtown)</i>
pm session	<u>13:30 – 13:45</u> ♦ Walk to St. Paul Campus <u>13:45 – 16:15</u> ♦ Data analysis, debriefing and evaluation
16:45 - 17:20	<i>Fast ferry from Cheung Chau to Central</i>

Course Programme 1.2: A topic with Field Sites at Mui Wo (Topic 4, 8)

Time	Course Programme
08:30 - 09:25	<i>Ordinary ferry from Central to Mui Wo</i>
am session	<u>09:25– 09:40</u> ♦ Walk to briefing site <u>09:40 – 10:15</u> ♦ Fieldwork briefing <u>10:30 – 12:00</u> ♦ Fieldwork
12:15 - 12:45	<i>Inter Islands ferry from Mui Wo to Cheung Chau</i>
12:45 - 13:45	<i>Lunch (Cheung Chau downtown)</i>
pm session	<u>13:45 – 14:00</u> ♦ Walk to St. Paul Campus <u>14:00 – 16:15</u> ♦ Data analysis, debriefing and evaluation
16:45 - 17:20	<i>Fast ferry from Cheung Chau to Central</i>

Course Programme 1.3: A topic with field sites at Kai Tak River (Wong Tai Sin) (Topic 5)

Option 1: Half-day course (AM)

Time	Course Programme	Venue
09:30	◆ Gather at Exit D of Wong Tai Sin MTR Station	
09:45 – 10:30	◆ Fieldwork briefing	Muk Lun Street Playground (睦鄰街遊樂場)
10:30 - 12:00	◆ Fieldwork	Wong Tai Sin to San Po Kong
12:00 – 13:00	◆ Discussion, debriefing and evaluation	Shek Ku Lung Road Playground (石鼓壟道遊樂場)

Option 2: Half-day course (PM)

Time	Course Programme	Venue
13:30	◆ Gather at Exit D of Wong Tai Sin MTR Station	
13:45 – 14:30	◆ Fieldwork briefing	Muk Lun Street Playground (睦鄰街遊樂場)
14:30 - 16:00	◆ Fieldwork	Wong Tai Sin to San Po Kong
16:00 – 17:00	◆ Discussion, debriefing and evaluation	Shek Ku Lung Road Playground (石鼓壟道遊樂場)

Option 3: Whole-day course

Time	Course Programme	Venue
09:30	◆ Gather at Exit D of Wong Tai Sin MTR Station	
09:45 – 10:30	◆ Fieldwork briefing	Muk Lun Street Playground (睦鄰街遊樂場)
10:30 - 12:00	◆ Fieldwork	Wong Tai Sin to San Po Kong
12:00 – 14:00	<i>Lunch and travel to the participating school</i>	
14:00 – 1530(~16:00)	◆ Discussion, debriefing and evaluation	Participating School

Remarks: Our Centre reserves the right to change the field programme and the field sites due to any unforeseeable circumstances.

Course Programme 1.4: Course with field sites at Wong Chuk Hang (Topic 6)

Option 1: Half-day course (AM)

Time	Course Programme	Venue
09:30	◆ Gather at Exit A of Wong Chuk Hang MTR Station	
09:45 – 10:30	◆ Fieldwork briefing	Wong Chuk Hang Recreation Ground (黃竹坑遊樂場)
10:30 - 12:00	◆ Fieldwork	Wong Chuk Hang
12:00 – 13:00	◆ Discussion, debriefing and evaluation	Wong Chuk Hang Recreation Ground

Option 2: Half-day course (PM)

Time	Course Programme	Venue
13:30	◆ Gather at Exit A of Wong Chuk Hang MTR Station	
13:45 – 14:30	◆ Fieldwork briefing	Wong Chuk Hang Recreation Ground (黃竹坑遊樂場)
14:30 - 16:00	◆ Fieldwork	Wong Chuk Hang
16:00 – 17:00	◆ Discussion, debriefing and evaluation	Wong Chuk Hang Recreation Ground

Option 3: Whole-day course

Time	Course Programme	Venue
09:30	◆ Gather at Exit A of Wong Chuk Hang MTR Station	
09:45 – 10:30	◆ Fieldwork briefing	Wong Chuk Hang Recreation Ground (黃竹坑遊樂場)
10:30 - 12:00	◆ Fieldwork	Wong Chuk Hang
12:00 – 14:00	<i>Lunch and travel to the participating school</i>	
14:00 – 15:30(~16:00)	◆ Discussion, debriefing and evaluation	Participating School

Remarks: Our Centre reserves the right to change the field programme and the field sites due to any unforeseeable circumstances.

✚ 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: Ordinary ferry:	16:45 (35 minutes) OR 17:15 (55 minutes)
◆ Central to Mui Wo	Ordinary ferry:	08:30 (55 minutes)

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

Remarks:

Special transportation arrangement for the course “From Channel to Stream (Topic 5)” and “Changing Industrial Location -- Wong Chuk Hang (Topic 6)”, please refer to P.8 to 9 for details.

✚ Centre Campus Map



聖方濟校園：香港長洲芝蔴坑路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