



## SS Geography Courses 2021-2022

### 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 + 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
  - be aware the importance of managing marine resources sustainably and maintaining the safety of marine resources.

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**PE. 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<br>Dynamic Earth   |
| ▪ Knowledge:                      | - | to observe the geology of Cheung Chau<br>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<br>to measure the weather conditions by field equipment  |
| ▪ Values:                         | - | to appreciate and cherish the invaluable geological resources  |

**DC. 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<br>to relate the exogenetic fluvial processes with the characteristics of river courses and the associated landforms<br>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<br>to draw cross-section   |
| ▪ Values:                         | - | to appreciate the beauty of rivers<br>to respect and treasure the intimate relationship between rivers, ecosystem and settlement<br>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>)**

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|-----------------------------------|--|
| ▪ Relevance to the DSE curriculum | - Combating Famine   |
| ▪ Knowledge:                      | - to understand the farming system (conventional farming and hydroponic system)<br>- to examine how urban development affects agricultural activities<br>- to evaluate the feasibility of modern farming technologies for sustainable development  |
| ▪ Skills:                         | - to classify land use in various agricultural areas<br>- to conduct laboratory works of water samples<br>- to analyze second-hand data  |
| ▪ Values:                         | - to develop students' awareness of the development of sustainable agriculture<br>- to understand the impact of farming activities on the ecological environment and our responsibilities<br>- 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>)**

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|-----------------------------------|---|
| ▪ Relevance to the DSE curriculum | - Combating Famine  |
| ▪ Knowledge:                      | - to understand the operation of farming system (conventional farming and hydroponic system)<br>- to examine how urban development affects agricultural activities<br>- to evaluate the feasibility of modern technologies to overcome the agricultural constraints encountering in Hong Kong |
| ▪ Skills:                         | - to exercise sampling methods<br>- to apply various field data collection methods, such as scoring, mapping and interview<br>- to conduct chemical testing of soil and stream water quality<br>- to analyse secondary data   |
| ▪ Values:                         | - to develop students' awareness of the sustainable agricultural development<br>- to understand the impact of farming activities on the ecological environment and our responsibilities<br>- 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 the characteristics of abiotic and biotic components of a woodland ecosystem<br>- to understand the structure of woodland<br>- to examine human interference on woodland environment   |
| ▪ Skills:                         | - to collect data of vegetation<br>- to conduct laboratory work of soil properties (not applicable for 1 day duration)<br>- 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<br>- to cherish the interdependence of human and natural environment<br>- 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<br>- Weather and Climate  |
| ▪ Knowledge:                      | - to understand the weather elements and the factors contributing to the weather differences<br>- to examine how the natural factors and human activities affect weather                         |
| ▪ Skills:                         | - to use different field equipment to measure weather elements<br>- to compare the weather data of different field sites in Cheung Chau<br>- 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