明愛陳震夏郊野學園
香港 長洲 芝麻坑路 39號
電話 Tel：2981 1899
傳真 Fax: 2981 3767

Caritas Chan Chun Ha Field Studies Centre
39 Chi Ma Hang Road, Cheung Chau, Hong Kong
網址 Website：http://www.caritasfsc.edu.hk
電郵 E-mail ：info@caritasfsc.edu.hk

SS Geography Courses 2023-2024

Topic Description and Course Programme for 1-Day Courses

Topic Summary

Topics	Upper limit of students	Field Sites
1. Opportunities and Risks of Natural Hazards 自然災害的機會與風險	60	Cheung Chau
2. Exploring the Coast in Cheung Chau 長洲海岸探索	60	Cheung Chau coastal area
3. Drifting Classroom 漂流教室	60	River Silver and River Wang Tong, Mui Wo
4. 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
5. Changing Industrial Location 轉變中的工業區位	40	Wong Chuk Hang/ Kwai Chung **(NEW)**
6. Urban Problems in Cheung Chau 從長洲看城市問題	80	Cheung Chau downtown
7. Farming System in Mui Wo 從梅窩看農業系統	40	Mui Wo
8. Exploring Woodland in Cheung Chau 長洲林地探索	60	Chi Ma Hang Road, Cheung Chau
9. Urban Microclimatic Studies in Central 中環城市微氣候研究	40	Central
10. Physical Environment of Cheung Chau 長洲的自然環境	60	Southeast coast of Cheung Chau
11. Studies of Island Weather 小島天氣研究	80	Cheung Chau
12. 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. Opportunities and Risks of Natural Hazards (自然災害的機會與風險)

▪ Relevance to the DSE curriculum	-	C1: Opportunities and Risks
▪ Knowledge:	-	to understand the major natural hazards in Hong Kong
	-	to assess the degree of opportunities and risks of natural hazards for different locations in Cheung Chau.
	-	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)

▪ Relevance to the DSE curriculum	-	C2: 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.

3. Drifting Classroom (漂流教室)

▪ Relevance to the DSE curriculum	-	C2: Managing River and Coastal Environments
▪ Knowledge:	-	to identify the characteristics of river courses and the associated landform features
	-	to relate the exogenetic fluvial processes with the

		characteristics of river channel and the associated landform features - to analyze how human factors (river management measures and land use) affect the characteristics of river channel
▪ Skills:	-	to collect field data by appropriate equipment - to draw cross-section
▪ Values:	-	to appreciate the natural 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.

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

▪ Relevance to the DSE curriculum	-	C2: Managing River and Coastal Environments
▪ Knowledge:	-	to understand the usage of the urban stream - to understand the management strategies of urban stream - to analyze the relationship between river and surrounding land uses - to analyze the effectiveness of river revitalization
▪ Skills:	-	to master the skills in measuring the width and depth of urban channel - to classify and record the land use and land use distribution - to observe the river management strategies and understand their relationship with the surrounding environment - to conduct questionnaire survey
▪ Values:	-	to appreciate the urban stream after revitalization - to aware the importance of good water quality to China and Hong Kong

5. Changing Industrial Location—Wong Chuk Hang or Kwai Chung (轉變中的工業區位—黃竹坑 或 葵涌)

▪ Relevance to the DSE curriculum	-	C3: 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 in the study area
▪ Skills:	-	to use appropriate sampling methods to improve the

		representativeness and reliability of data collected - to use various fieldwork strategies to collect primary data e.g. land use mapping, categorizing and counting, observation and recording - to use appropriate statistical graphs to process quantitative data
▪ Values:	-	to cherish the advantage of industrial development between China and Hong Kong

6. <u>Urban Problems in Cheung Chau (從長洲看城市問題)</u>

▪ Relevance to the DSE curriculum	-	C4: 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

7. <u>Farming System in Mui Wo (從梅窩看農業系統)</u>

▪ Relevance to the DSE curriculum	-	C5: 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 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

8. Exploring Woodland in Cheung Chau (長洲林地探索)

▪ Relevance to the DSE curriculum	-	C6: Disappearing Green Canopy
▪ Knowledge:	-	to understand abiotic, biotic components of a woodland ecosystem
	-	to understand the structure of woodland and the characteristics of woody plants in woodland
▪ Skills:	-	to collect data of vegetation and soil
	-	to conduct laboratory work of soil properties
	-	to compare and analyze primary data
▪ Values:	-	to cherish the interdependence of human and natural environment
	-	to nurture students' concern of the tropical rainforest and awareness of the importance of protection of tropical rainforest on safeguarding national ecological security.

9. Urban Microclimatic Studies in Central (中環城市微氣候研究)

▪ Relevance to the DSE curriculum	-	C7: Climate Change
▪ Knowledge:	-	to investigate the relationship between the urban microclimate and urban environments
	-	to study the physical and human factors leading to Urban Heat Island effect
	-	to assess the mitigation and adaptive measures tackling Urban Heat Island effect
▪ Skills:	-	to use different field equipment to collect microclimatic data
	-	to use different data collection methods to assess the urban environments
	-	to draw graphs to show the relationship between microclimate, urban environments and distance from the city centre
▪ Values:	-	to raise the public awareness to the Urban Heat Island effect
	-	to understand the impacts of urban development on the ecological environment and our responsibilities
	-	be aware the challenges to national security imposed by global climate change due to urban development

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

▪ Relevance to the DSE curriculum	-	C2: Managing River and Coastal Environments - E1: 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

11. Studies of Island Weather (小島天氣研究)

▪ Relevance to the DSE curriculum	-	C7: Climate Change - E2: Weather and Climate
▪ Knowledge:	-	to understand different weather elements
	-	to examine the impact of natural factors and human activities on weather
	-	to understand the effect of urban planning on urban microclimate
▪ Skills:	-	to use different field equipment to collect data of weather elements and the surrounding environment
	-	to draw graphs to show the data of different weather elements and the distribution of urban climate sensitivity
▪ Values:	-	to understand the impacts of changing weather elements and our responsibilities
	-	be aware the challenges to national security imposed by global climate change due to urban development

12. Traffic and Pedestrian Flow Studies (交通及人流研究)

▪ Relevance to the DSE curriculum	-	E3: 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

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
1.5	Central	P.10
1.6	Kwai Chung (Tai Lin Pai)	P.11

Course Programme 1.1: A topic with field sites at Cheung Chau **(Topic 1, 2, 6, 8, 10, 11, 12)**

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

Course Programme 1.2: A topic with field sites at Mui Wo **(Topic 3, 7)**

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

<u>Course Programme 1.3:</u> A topic with field sites at Kai Tak River (Wong Tai Sin) **(Topic 4)**

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	***Lunch and travel to the participating school***	
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.*

Course Programme 1.4: Course with field sites at Wong Chuk Hang **(Topic 5)**

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	***Lunch and travel to the participating school***	
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.*

Course Programme 1.5: Course with field sites at Central **(Topic 9)**

Option 1: Half-day course (AM)

Time	Course Programme	Venue
09:00	◆ Gather at Central Ferry Pier No.3	
09:15 – 10:00	◆ Fieldwork briefing	Central Ferry Pier No.3 (中環三號碼頭)
10:00 - 12:30	◆ Fieldwork	Central to Mid-levels
12:30 – 13:00	◆ Discussion, debriefing and evaluation	Central Ferry Pier No.3

Option 2: Whole-day course

Time	Course Programme	Venue
09:00	◆ Gather at Central Ferry Pier No.3	
09:15 – 10:00	◆ Fieldwork briefing	Central Ferry Pier No.3 (中環三號碼頭)
10:00 - 12:30	◆ Fieldwork	Central to Mid-levels
12:30 – 14:30	***Lunch and travel to the participating school***	Central Ferry Pier No.3 (中環三號碼頭)
14:30 –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.*

Course Programme 1.6: Course with field sites at Kwai Chung **(Topic 5)**

Option 1: Half-day course (AM)

Time	Course Programme	Venue
09:30	◆ Gather at Exit A of Kwai Hing MTR Station	
09:45 – 10:30	◆ Fieldwork briefing	Tai Lin Pai Road Playground (大連排道遊樂場)
10:30 - 12:00	◆ Fieldwork	Tai Lin Pai (大連排)
12:00 – 13:00	◆ Discussion, debriefing and evaluation	Tai Lin Pai Road Playground

Option 2: Half-day course (PM)

Time	Course Programme	Venue
13:30	◆ Gather at Exit A of Kwai Hing MTR Station	
13:45 – 14:30	◆ Fieldwork briefing	Tai Lin Pai Road Playground (大連排道遊樂場)
14:30 - 16:00	◆ Fieldwork	Tai Lin Pai (大連排)
16:00 – 17:00	◆ Discussion, debriefing and evaluation	Tai Lin Pai Road Playground

Option 3: Whole-day course

Time	Course Programme	Venue
09:30	◆ Gather at Exit A of Kwai Hing MTR Station	
09:45 – 10:30	◆ Fieldwork briefing	Tai Lin Pai Road Playground (大連排道遊樂場)
10:30 - 12:00	◆ Fieldwork	Tai Lin Pai (大連排)
12:00 – 14:00	***Lunch and travel to the participating school***	
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 Sun Ferry: https://www.sunferry.com.hk/

Remarks:

Special transportation arrangement for the course "From Channel to Stream (Topic 4)", "Changing Industrial Location -- Wong Chuk Hang/ Kwai Chung (Topic 5)" and "Urban Microclimatic Studies in Central (Topic 9), please refer to P.8 to 11 for details.

Centre Campus Map

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