



## SS Geography Courses 2019-2020

### Topic Description and Course Programme for 3-Day Courses

#### Topic Summary

#### Topic A (Duration: 1 day):

Topics	Field Sites
A1. Perception Study of Natural Hazards in Cheung Chau	Cheung Chau
A2. Exploring the Coast in Cheung Chau	Cheung Chau coastal area
A3. Physical Environment of Cheung Chau	Little Great Wall to Nam Tum, Cheung Chau
A4. Urban Development in Cheung Chau (Previous name: Sustainable Development in Cheung Chau)	Cheung Chau downtown
A5. Agricultural System in Mui Wo	Mui Wo
A6. Woodland Ecosystem Discovery	Chi Ma Hang Road, Cheung Chau
A7. Studies of Island Weather	Cheung Chau
A8. Traffic and Pedestrian Flow Studies	Cheung Chau downtown

#### Topic B (Duration: 2 days):

Topics	Field Sites
B1. Managing River and Stream Quality ( <i>Extended fieldwork</i> )	River Silver and Wang Tong River, Mui Wo
B2. Sustainable City Study	Cheung Chau downtown
B3. Exploring Urban Environment	Cheung Chau downtown

#### Choice of Topics

Teachers can choose 1 topic from Topic A **AND** 1 topic from Topic B.

(Topic A5 and B1 **CANNOT** be chosen at the same time)



## Topic Description

### A1 Perception Study of Natural Hazards in Cheung Chau

- 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 use data collection methods such as questionnaire, interview and scoring
- Values: - to understand the role of human in complex man-land relationships

### A2 Exploring the Coast in Cheung Chau

- 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 different 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

### A3 Physical Environment of Cheung Chau

- Knowledge: - to observe the geology of Cheung Chau  
- to understand the physical landscapes in relation to internal and external processes
- Skills: - to practice geological fieldwork techniques
- Values: - to appreciate and cherish the invaluable geological resources

### A4 Urban Development in Cheung Chau (*Previous name: Sustainable Development in Cheung Chau*)

- Knowledge: - to investigate the relationship between urban problems and distance of town center of study area  
- to investigate the sustainability of the study area
- Skills: - level of urban decay assessment  
- to draw choropleth maps
- Values: - to develop students' awareness of urban problems and sustainable development

**A5 Agricultural System in Mui Wo**

- Knowledge: - to understand agricultural system (conventional farming and hydroponic)
- Skills: - to examine how urban development affects agricultural activities
- Skills: - to identify inputs, processes and outputs of different agricultural systems
- Skills: - to classify land use in various agricultural areas
- Skills: - to conduct laboratory works of water samples
- Skills: - to analysis of second-hand data
- Values: - to develop students' awareness of the development of sustainable agriculture

**A6 Woodland Ecosystem Discovery**

- Knowledge: - to understand abiotic components and biotic components from woodland ecosystem
- Knowledge: - to understand the interrelationships between abiotic and biotic components
- Skills: - to collect data of vegetation and micro-climate
- Skills: - to conduct laboratory work of soil properties
- Skills: - to compare and analyze first hand data
- Values: - to develop a sense of tropical rainforest protection

**A7 Studies of Island Weather**

- Knowledge: - to understand the weather elements and the factors contributing to the weather differences
- Knowledge: - to examine how the natural factors and human activities affect weather
- Skills: - to use different field equipment to measure weather elements
- Skills: - to compare the weather data of different field sites in Cheung Chau
- Skills: - to draw broken-line graph of different weather data
- Values: - to be sensitive to the changing environment around us

### **A8 Traffic and Pedestrian Flow Studies**

- Knowledge: - to understand the relationship between location, transport system and logistics
- to understand the pros and cons of transport planning and management
- Skills: - to investigate the pros and cons of transport planning and management through conducting survey, data collection and comparison, etc. with the use of fieldwork equipment
- Values: - to show concerns about the transport problems and try to make suggestions towards sustainable transport development

### **B1 Managing River and Stream Quality**

- Knowledge: - to relate the fluvial processes with the characteristics of the river courses
- to analyze how human factors affect the fluvial processes and water quality
- Skills: - to collect data by field equipment and conduct laboratory work
- Values: - to concern the effect of urban encroachment on rural environment

### **B2 Sustainable City Study**

- Knowledge: - to investigate the relationship between urban problems and distance of town center of study area
- to solve urban problems in the view of sustainable development
- Skills: - level of urban decay assessment
- to draw choropleth maps
- to compare the effect of different sampling methods
- Values: - to develop students' awareness of urban problems and sustainable development

### **B3 Exploring Urban Environment**

- Knowledge: - to apply the concept of "distance decay" in the context of the "urban environmental quality"
- to understand the concepts of Geographic Information System
- Skills: - to understand the statistical techniques and their application in geographical phenomenon
- to familiarize with different map reading skills practically
- to experience ArcGIS for spatial analysis
- Values: - to develop students' awareness of sustainable development

## Course Programme

**Day 1: Topic A with field site in Cheung Chau** (Topic A1, A2, A3, A4, A6, A7, A8)

**Day 2-3: Topic B with field site in Cheung Chau** (Topic B2, B3)

Time	Day 1	Day 2	Day 3
	(Topic A in Cheung Chau)	(Topic B in Cheung Chau)	
am session	<u>08:40am - 09:15am</u> <i>Fast ferry from Central to Cheung Chau</i>	<u>08:30am – 09:15am</u> <i>Breakfast</i>	
	<u>09:30am – 10:00am</u> ♦ Check-in and briefing at Caritas Camp*	<u>09:30am – 12:30am</u> ♦ Fieldwork briefing ♦ Planning & Preparation (Topic B)	<u>09:30am – 12:30pm</u> ♦ Data processing & analysis OR Geographic Information System (GIS) workshop
	<u>10:00am – 11:00am</u> ♦ Fieldwork briefing (Topic A)		♦ Preparation for presentation
	<u>11:00am – 01:00pm</u> ♦ Fieldwork (Topic A)		
Lunch	<i>01:00pm - 01:45pm</i> <i>(Lunch in Caritas Camp)</i>	<i>12:30pm - 01:15pm</i> <i>(Lunch in Caritas Camp)</i>	
pm session	<u>02:00pm – 03:00pm</u> ♦ Laboratory work / data analysis**	<u>01:30pm – 05:30pm</u> ♦ Fieldwork (Topic B)	<u>01:30pm – 04:00pm</u> ♦ Presentation and evaluation
	<u>03:00pm – 5:30pm</u> ♦ Discussion and presentation		<u>04:45pm - 05:20pm</u> <i>Fast ferry from Cheung Chau to Central</i>
06:00pm – 06:45pm	<i>Dinner</i>		---
07:30pm – 10:00pm	<u>07:30pm – 09:30pm</u> ♦ Astronomy activities (optional)	<i>Recreational Activities</i>	---

### Remarks:

- \*Caritas Camp includes Caritas Jockey Club Ming Fai Camp, Caritas Oi Fai Camp and Caritas Ka Fai House.
- \*\* Second fieldwork is carried out in the course “Physical Environment of Cheung Chau” (A3).
- Our centre reserves the right to change the field programme and the field sites due to any unforeseeable circumstances.

## Course Programme

**Day 1-Day 2(am):Topic A with field site in Mui Wo (Topic A5: Agricultural System in Mui Wo)**

**Day 2(pm)-Day 3: Topic B with field site in Cheung Chau (Topic B2, B3)**

Time	Day 1	Day 2		Day 3
	(Topic A in Mui Wo)		(Topic B in Cheung Chau)	
am session	<u>08:40am - 09:15am</u> <i>Fast ferry from Central to Cheung Chau</i>		<u>08:30am – 09:15am</u> <i>Breakfast</i>	
	<u>09:30am – 10:00am</u> <ul style="list-style-type: none"> <li>◆ Check-in and briefing at Caritas Camp*</li> </ul> <u>10:00am – 11:15am</u> <ul style="list-style-type: none"> <li>◆ Fieldwork briefing (Topic A)</li> </ul>		<u>09:30am – 11:00pm</u> <ul style="list-style-type: none"> <li>◆ Laboratory work</li> </ul> <u>11:00am – 12:00pm</u> <ul style="list-style-type: none"> <li>◆ Discussion and presentation</li> </ul>	<u>09:30am – 12:30pm</u> <ul style="list-style-type: none"> <li>◆ Data processing &amp; analysis OR Geographic Information System (GIS) workshop</li> <li>◆ Preparation for presentation</li> </ul>
Lunch	<i>11:30am - 12:15pm</i> <i>(Lunch in Caritas Camp)</i>		<i>12:30pm - 01:15pm</i> <i>(Lunch in Caritas Camp)</i>	
pm session	<u>12:45pm-01:15pm</u> <ul style="list-style-type: none"> <li>◆ <i>Inter Islands ferry from Cheung Chau to Mui Wo</i></li> </ul> <u>01:15pm – 04:00pm</u> <ul style="list-style-type: none"> <li>◆ Fieldwork (Topic A)</li> </ul> <u>04:00pm-04:45pm</u> <ul style="list-style-type: none"> <li>◆ <i>Inter Islands ferry from Cheung Chau to Mui Wo</i></li> </ul> <u>05:00pm – 5:30pm</u> <ul style="list-style-type: none"> <li>◆ Check-in and briefing at Caritas Camp*</li> </ul>		<u>01:30pm – 02:30pm</u> <ul style="list-style-type: none"> <li>◆ Fieldwork briefing (Topic B)</li> </ul> <u>02:30pm – 05:30pm</u> <ul style="list-style-type: none"> <li>◆ Fieldwork (Topic B)</li> </ul>	<u>01:30pm – 04:00pm</u> <ul style="list-style-type: none"> <li>◆ Presentation and evaluation</li> </ul>
			<u>04:45pm - 05:20pm</u> <i>Fast ferry from Cheung Chau to Central</i>	
06:00pm – 06:45pm	<i>Dinner</i>		---	
07:30pm – 10:00pm	<u>07:30pm – 09:30pm</u> <ul style="list-style-type: none"> <li>◆ Astronomy activities (optional)</li> </ul>	<i>Recreational Activities</i>		---

### Remarks:

1. \*Caritas Camp includes Caritas Jockey Club Ming Fai Camp, Caritas Oi Fai Camp and Caritas Ka Fai House.
2. Our centre reserves the right to change the field programme and the field sites due to any unforeseeable circumstances.

## Course Programme

**Day 1: Topic A with field site in Cheung Chau** (Topic A1, A2, A3, A4, A6, A7, A8)

**Day 2-3: Topic B with field site in Mui Wo** (Topic B1: Managing River and Stream Quality)

Time	Day 1	Day 2	Day 3
	(Topic A in Cheung Chau)	(Topic B in Mui Wo)	
am session	<u>08:40am - 09:15am</u> <i>Fast ferry from Central to Cheung Chau</i>	<u>08:30am – 09:15am</u> <i>Breakfast</i>	
	<u>09:30am – 10:00am</u> ♦ Check-in and briefing at Caritas Camp*	<u>09:30am – 10:15am</u> ♦ Fieldwork briefing (Topic B)	<u>09:30am – 12:30pm</u> ♦ Laboratory work / data analysis
	<u>10:00am – 11:00am</u> ♦ Fieldwork briefing (Topic A) <u>11:00am – 01:00pm</u> ♦ Fieldwork (Topic A)	<u>10:50-11:35am</u> ♦ <i>Inter Islands ferry from Cheung Chau to Mui Wo</i>	♦ Discussion and preparation for presentation
Lunch	<i>01:00pm-01:45pm</i> <i>(Lunch in Caritas Camp)</i>	<i>01:30-01:45pm</i> <i>(Packed lunch in Mui Wo)</i>	<i>12:30pm-01:15pm</i> <i>(Lunch in Carita Camp)</i>
pm session	<u>02:00pm – 03:00pm</u> ♦ Laboratory work / data analysis**	<u>11:35am - 04:00pm</u> ♦ Fieldwork (Topic B)	<u>01:30pm – 04:00pm</u> ♦ Presentation and evaluation
	<u>03:00pm – 5:30pm</u> ♦ Discussion and presentation	<u>04:00pm – 04:45pm</u> ♦ <i>Inter Islands ferry from Mui Wo to Cheung Chau</i> <u>05:00pm – 06:00pm</u> ♦ Laboratory work	<u>04:45pm - 05:20pm</u> <i>Fast ferry from Cheung Chau to Central</i>
<b>06:00pm – 06:45pm</b>	<i>Dinner</i>		---
<b>07:30pm – 10:00pm</b>	<u>07:30pm – 09:30pm</u> ♦ Astronomy activities (optional)	<i>Recreational Activities</i>	---

### Remarks:

- \*Caritas Camp includes Caritas Jockey Club Ming Fai Camp, Caritas Oi Fai Camp and Caritas Ka Fai House.
- \*\* Second fieldwork is carried out in the course “Physical Environment of Cheung Chau” (A3)
- 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: 08:00am OR 08:40am (35 minutes)
- ◆ Cheung Chau to Central Fast ferry: 04:45pm (35 minutes) OR  
Ordinary ferry: 05:15pm (55 minutes)

*(Boarding location: Cheung Chau Ferry Pier)*

- ◆ Cheung Chau to Aberdeen 05:00pm (55 minutes)

*(Boarding location: Cheung Chau Public Pier)*

### Remarks:

*Special transportation arrangement for the courses “Agricultural System in Mui Wo(A5)” and “Managing River and Stream Quality (B1)”. Please refer to P.6 or P.7 for details.*

## 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