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SS Geography Courses 2019-2020

Topic Description and Course Programme for 2-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. Drifting Classroom	River Silver, Mui Wo
A5. Urban Development in Cheung Chau (Previous name: Sustainable Development in Cheung Chau)	Cheung Chau downtown
A6. Agricultural System in Mui Wo	Mui Wo
A7. Woodland Ecosystem Discovery	Chi Ma Hang Road, Cheung Chau
A8. Studies of Island Weather	Cheung Chau
A9. Traffic and Pedestrian Flow Studies	Cheung Chau downtown

Topic B (Duration: 2 days):

Topics	Field Sites
B1. Sustainable City Study	Cheung Chau downtown
B2. Exploring Urban Environment	Cheung Chau downtown
B3. Dynamic Earth: From Theory to Practice of Geoconservation*	Lai Chi Chong, Sai Kung

*Remarks: *Course will only be held between November and March.*

Choice of Topics

Teachers can choose **EITHER** Option 1 or Option 2:

- ◆ **Option 1**: Any 2 from Topic A (Topic A4 and A6 **CANNOT** be chosen at the same time)
- ◆ **Option 2**: 1 from Topic B

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 Drifting Classroom

- 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 the nature

A5 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

A6 Agricultural System in Mui Wo

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

A7 Woodland Ecosystem Discovery

- Knowledge: - to understand abiotic components and biotic components from woodland ecosystem
- to understand the interrelationships between abiotic and biotic components
- 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 develop a sense of tropical rainforest protection

A8 Studies of Island Weather

- 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

A9 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 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

B2 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

B3 Dynamic Earth: From Theory to Practice of Geoconservation

- Knowledge: - to examine the underlying factors and processes in shaping the geology and geomorphology of the study area
- to investigate the pros and cons of establishing Geopark in Hong Kong
- Skills: - to apply geology field work skills
- to practice critical thinking
- Values: - to cherish the invaluable geology resources in Hong Kong

Course Programme ---- Option 1 (TWO Topics)

Option 1: Any 2 from Topic A with field site in Cheung Chau

(Topic A1, A2, A3, A5, A7, A8, A9)

Time	Day 1 (Topic A in Cheung Chau)	Day 2 (Topic A 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>10:00am – 11:00am</u> ♦ Fieldwork briefing (1 st topic) <u>11:00am – 01:00pm</u> ♦ Fieldwork (1 st topic)	<u>09:30am – 10:30am</u> ♦ Fieldwork briefing (2 nd topic) <u>10:30am – 12:30pm</u> ♦ Fieldwork (2 nd topic)
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>03:00pm – 5:30pm</u> ♦ Discussion and presentation	<u>01:30pm – 03:00pm</u> ♦ Laboratory work / data analysis <u>03:00pm – 04:00pm</u> ♦ Discussion, presentation and evaluation
		<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	<i>Recreational Activities</i>	---

Remarks:

- * Caritas Camp may include Caritas Jockey Club Ming Fai Camp, Caritas Oi Fai Camp or 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.

Option 1: Any 2 from Topic A with field site in Mui Wo⁺

(Topic A4: Drifting Classroom OR Topic A6: Agricultural System in Mui Wo)

⁺Topic A4 and A6 cannot be chosen at the same time

Time	Day 1 (Topic A in Mui Wo)	Day 2 (Topic A in Cheung Chau)
am session	<u>08:30am - 09:20am</u> <i>Ordinary ferry from Central to Mui Wo</i>	<u>08:30am – 09:15am</u> <u><i>Breakfast</i></u>
	<u>09:30am – 10:15am</u> ♦ Fieldwork briefing (Topic in Mui Wo) <u>10:30am – 12:00pm</u> ♦ Fieldwork (Topic in Mui Wo)	<u>09:30am – 10:30am</u> ♦ Fieldwork briefing (Topic in Cheung Chau) <u>10:30am – 12:30pm</u> ♦ Fieldwork (Topic in Cheung Chau)
	<u>12:15pm - 12:45pm</u> ♦ <i>Inter Islands ferry from Mui Wo to Cheung Chau</i>	
Lunch	<i>01:15pm - 02:15pm</i> <i>(Lunch boxes are provided in St. Paul campus)</i>	<i>12:30pm - 01:15pm</i> <i>(Lunch in Caritas Camp)</i>
pm session	<u>02:30pm – 05:00pm</u> ♦ Data analysis and discussion <u>05:00pm – 5:30pm</u> ♦ Check-in and briefing at Caritas Camp*	<u>01:30pm – 03:00pm</u> ♦ Laboratory work / data analysis** <u>03:00pm – 04:00pm</u> ♦ Discussion, presentation and evaluation
		<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	<i>Recreational Activities</i>	---

Remarks:

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

Course Programme ---- Option 2 (ONE Topic)

Option 2: 1 from Topic B with field site in Cheung Chau

(Topic B1: Sustainable City Study OR Topic B2: Exploring Urban Environment)

Time	Day 1	Day 2
	(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"> ◆ Check-in and briefing at Caritas Camp* <u>10:00am – 01:00pm</u> <ul style="list-style-type: none"> ◆ Fieldwork briefing ◆ Planning & preparation of fieldwork 	<u>09:30am – 11:00am</u> <ul style="list-style-type: none"> ◆ Geographic Information System (GIS) workshop or Data processing & analysis <u>11:00am – 12:30pm</u> <ul style="list-style-type: none"> ◆ Preparation for presentation
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 – 04:00pm</u> <ul style="list-style-type: none"> ◆ Fieldwork <u>04:00pm – 5:30pm</u> <ul style="list-style-type: none"> ◆ Data processing 	<u>01:30pm – 04:00pm</u> <ul style="list-style-type: none"> ◆ Presentation and evaluation
		<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	<i>Recreational Activities</i>	---

Remarks:

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

Option 2: 1 from Topic B with field site in Lai Chi Chong

(Topic B3: Dynamic Earth)

Time	Day 1	Day 2
	(Topic B in Lai Chi Chong)	
am session	<u>08:00am</u> ♦ Gather at University MTR station <u>08:00am – 08:30am</u> ♦ Walk to Ma Liu Shui pier	<u>08:30am – 09:15am</u> <i>Breakfast</i>
	<u>08:30am – 09:15am</u> <i>Ferry from Ma Liu Shui to Lai Chi Chong</i>	
	<u>09:15am – 10:00am</u> ♦ Walk to Caritas Siu Tong Camp ♦ Briefing at Caritas Siu Tong Camp <u>10:00am – 12:30pm</u> ♦ Classroom activities ♦ Formulate investigation plan	<u>09:30am – 11:00am</u> ♦ Presentation and evaluation <u>11:00am – 11:40am</u> ♦ Walk to Lai Chi Chong pier <u>11:40am – 12:30pm</u> <i>Ferry from Lai Chi Chong to Ma Liu Shui</i>
Lunch	<i>12:30pm - 01:15pm</i> <i>(Lunch in Caritas Siu Tong Camp)</i>	---
pm session	<u>01:30pm – 02:30pm</u> ♦ Preparation for fieldwork <u>02:30pm – 5:30pm</u> ♦ Fieldwork	---
06:00pm - 06:45pm	<i>Dinner</i>	---
07:00pm - 08:30pm	♦ Data analysis ♦ Discussion and preparation for presentation	---

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: 08:00am 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 “Drifting Classroom (A4)”, “Agricultural System in Mui Wo(A6)” and “Dynamic Earth: From Theory to Practice of Geoconservation (B3)”. Please refer to P.6 or P.8 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