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SS Geography Courses 2018-2019

Topic Description and Course Programme for 2-Day Courses

Topic Summary

Topic A (Duration: 1-day):

| Topics | Field Sites |
|--|-------------------------------|
| A1. Exploring the Coast in Cheung Chau | Cheung Chau coastal area |
| A2. Physical Environment of Cheung Chau | Little Great Wall to Nam Tum |
| A3. Drifting Classroom | River Silver, Mui Wo |
| A4. 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-day):

| 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 be only held between November and March.*

Choice of Topics

Teachers can choose **EITHER** Option1 or Option 2:

- ◆ **Option 1**: Any 2 Topic A (Topic A3 and A5 cannot be chosen at the same time)
- ◆ **Option 2**: 1 Topic B

Topic Description

A1 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 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

A2 Physical Environment of Cheung Chau

- Knowledge: - to observe the geology in Cheung Chau
- to understand the physical landscapes in relation to exogenetic processes---weathering, erosion and mass movement
- Skills: - to practice geological fieldwork techniques
- Values: - to appreciate and cherish the invaluable geological resources

A3 Drifting Classroom

- Knowledge: - to study the exogenetic (fluvial) process of the river and the associated features
- to examine the properties of different courses of the river
- Skills: - to collect data by field equipment
- to draw and calculate cross-sectional area by square method
- Values: - to appreciate the beauty of the nature

A4 Sustainable Development in Cheung Chau

- Knowledge: - to understand different sustainability indicators
- to investigate the sustainability of the study area
- Skills: - environmental quality measurement
- land use classification
- laboratory work of water samples
- second-hand data analysis
- Values: - to develop students' awareness of sustainable development

A5 Agricultural System in Mui Wo

- Knowledge: - to understand farming system
- to examine how urban development affects farming activities
- Skills: - identification of inputs, processes and outputs of different farming systems
- classification of land use
- laboratory work of water samples
- analysis of second hand data
- Values: - to develop student awareness of sustainable farming development

A6 Woodland Ecosystem Discovery

- Knowledge: - to study the impact of deforestation on woodland ecosystem
- Skills: - to handle fieldwork equipment to collect data
- Values: - to appreciate the beauty of the nature

A7 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

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 tools
- Values: - to show concerns about the transport problems and try to make suggestions towards sustainable transport development

B1 Sustainable City Study

- Knowledge: - to understand a series of sustainability indicators
- to investigate the urban problems of study area
- to suggest sustainable development plan
- Skills: - land use classification
- environment quality survey
- to design sampling and data collection methods
- Values: - to develop student 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 introduce problem-based learning to experience self-learning
- to use different fieldwork methodology to collect and analyse data
- Values: - to appreciate the beauty of the nature

Course Programme ----Option 1

Option 1: Any 2 Topic A with field site in Cheung Chau (Topic A1, A2, A4, A6, A7, A8)

| Time | Day 1 | Day 2 |
|--------------------------|--|--|
| am session | <u>08:40am - 09:15am</u> <i>Fast ferry from Central to Cheung Chau</i> | <u>08:30am – 09:30am</u> <i>Breakfast</i> |
| | <u>09:30am – 10:00am</u> <ul style="list-style-type: none"> ◆ Check-in at Caritas Camp* ◆ Briefing at Caritas Camp <u>10:00am – 11:00am</u> <ul style="list-style-type: none"> ◆ Fieldwork briefing (1st topic) <u>11:00am – 01:00pm</u> <ul style="list-style-type: none"> ◆ Fieldwork (1st topic) | <u>09:30am – 10:30am</u> <ul style="list-style-type: none"> ◆ Fieldwork briefing (2nd topic) <u>10:30am – 12:30pm</u> <ul style="list-style-type: none"> ◆ Fieldwork (2nd topic) |
| Lunch | <i>01:00pm - 02:00pm</i> | <i>12:30pm - 01:30pm</i> |
| pm session | <u>02:00pm – 03:00pm</u> <ul style="list-style-type: none"> ◆ Laboratory work / data analysis** <u>03:00pm – 5:30pm</u> <ul style="list-style-type: none"> ◆ Discussion and presentation | <u>01:30pm – 03:00pm</u> <ul style="list-style-type: none"> ◆ Laboratory work / data analysis <u>03:00pm – 04:00pm</u> <ul style="list-style-type: none"> ◆ Discussion and presentation |
| | | |
| 06:00pm - 07:00pm | <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” (A2).
3. Our centre reserves the right to change the field programme and the field sites due to any unforeseeable circumstances.

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

(Topic A3: Drifting Classroom OR Topic A5: Agricultural System in Mui Wo)

⁺Topic A3 and A5 cannot be chosen at the same time

| Time | Day 1 (Topic in Mui Wo) | Day 2 |
|--------------------------|---|---|
| am session | <u>08:30am - 09:20am</u> <i>Ordinary ferry from Central to Mui Wo</i> | <u>08:30am – 09:30am</u> <i>Breakfast</i> |
| | <u>09:30am – 10:15am</u> ♦ Fieldwork briefing (Topic in Mui Wo) | <u>09:30am – 10:30am</u> ♦ Fieldwork briefing (Topic in Cheung Chau) |
| | <u>10:30am – 12:00pm</u> ♦ Fieldwork (Topic in Mui Wo) | <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 | 01:15pm - 02:15pm | 12:30pm - 01:30pm |
| pm session | <u>02:30pm – 05:00pm</u> ♦ Data analysis and discussion | <u>01:30pm – 03:00pm</u> ♦ Laboratory work / data analysis** |
| | <u>05:00pm – 5:30pm</u> ♦ Check-in at Caritas Camp* ♦ Briefing at Caritas Camp* | <u>03:00pm – 04:00pm</u> ♦ Discussion and presentation |
| | | <u>04:45pm - 05:20pm</u> <i>Fast ferry from Cheung Chau to Central</i> |
| 06:00pm - 07:00pm | Dinner | --- |
| 07:30pm - 10:00pm | Recreational Activities | --- |

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” (A2).
3. Our centre reserves the right to change the field programme and the field sites due to any unforeseeable circumstances.

Course Programme ----Option 2

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

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

| Time | Day 1 | Day 2 |
|-------------------|---|---|
| am session | <u>08:40am - 09:15am</u> <i>Fast ferry from Central to Cheung Chau</i> | <u>08:30am – 09:30am</u> <i>Breakfast</i> |
| | <u>09:30am – 10:00am</u> <ul style="list-style-type: none"> ◆ Check-in at Caritas Camp* ◆ 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 - 02:00pm</i> | <i>12:30pm - 01:30pm</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 |
| | | |
| 06:00pm - 07:00pm | <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 Topic B with field site in Lai Chi Chong (Topic B3: Dynamic Earth)

| Time | Day 1 | Day 2 |
|--------------------------|--|--|
| 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 – 09:30am</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 - 01:30pm</i> | --- |
| pm session | <u>01:30pm – 02:30pm</u> ♦ Preparation for fieldwork <u>02:30pm – 5:30pm</u> ♦ Fieldwork | --- |
| | | |
| 06:00pm - 07:00pm | <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 (A3)”, “Agricultural System in Mui Wo(A5)” 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