

City University of Hong Kong
Course Syllabus

offered by School of Energy and Environment
with effect from Summer Term 2017

Part I Course Overview

Course Title: Special Topics in Energy and Environment

Course Code: SEE8300

Course Duration: One semester (Semester A, Semester B or Summer Semester)

Credit Units: 3

Level: R8

Arts and Humanities

Study of Societies, Social and Business Organisations

Science and Technology

Proposed Area:
(for GE courses only)

Medium of Instruction: English

Medium of Assessment: English

Prerequisites:
(Course Code and Title) Nil

Precursors:
(Course Code and Title) Nil

Equivalent Courses:
(Course Code and Title) Nil

Exclusive Courses:
(Course Code and Title) Nil

Part II Course Details

1. Abstract

This course provides training for environmental and energy doctoral students and presents them with an opportunity to study in-depth a topic parallel to their thesis, but must be new and not simply repeating the subject of the PhD. For example a student may choose to learn a programming language, study a particular statistical methodology, learn about the principles of instrumentation, discover underlying chemical, biological, physical principles of relevance to their work or read literature in a field parallel, a broader all-encompassing part of the entire discipline or a field adjunct to the thesis topic, perhaps exploring social or cultural contexts of their work. This is not an exclusive list, but any doubts should be resolved with the course convenor prior to commencement. The short proposal for work in the area of study must submit the course convenor who will expect the student to defend the proposal in a 10-15 minute meeting. The reading and study plan needs to be approved by the examining panel at the start of the course. The examining panel will consist of the supervisor and another academic, probably drawn from the School, but could be from any HK university. Delays in starting or gathering the examination panel may mean the occasional “incomplete” and need to be declared.

2. Course Intended Learning Outcomes (CILOs)

No.	CILOs [#]	Weighting* (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	A2	A3
1.	To acquire the ability to plan a reading course in the selected topic, up to an expert level of knowledge, through self-study, reflective practice and guidance by the examining panel.	25	✓		
2.	To demonstrate an ability to understand the latest innovations and ideas at the cutting edge of knowledge, through literature studies, simulation, desk calculations, computer programs etc as appropriate.	35		✓	
3.	To be able to report and explain the selected area of knowledge, through written and oral means to the examining panel.	40		✓	✓
		100%			

* If weighting is assigned to CILOs, they should add up to 100%.

[#] Please specify the alignment of CILOs to the Gateway Education Programme Intended Learning outcomes (PILOs) in Section A of Annex.

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to self-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

3. Teaching and Learning Activities (TLAs)

TLA	Brief Description	CILO No.						Hours/week (if applicable)
		1	2	3	4			
	Writing/defending a brief proposal	✓						
	Planning reading	✓						
	Critical reading of the literature	✓	✓					
	Report writing and reflection		✓	✓				
	Defending the study outcomes		✓	✓				

4. Assessment Tasks/Activities (ATs)

Assessment Tasks/Activities	CILO No.					Weighting*	Remarks
	1	2	3				
Continuous Assessment: <u>100%</u>							
Report	✓	✓	✓				Pass/Fail- no weighting
Presentation	✓	✓	✓				Pass/Fail- no weighting
Oral examination	✓	✓	✓				Pass/Fail- no weighting
Examination: <u>0%</u> (duration: 0 hour, if applicable)							
* The weightings should add up to 100%.						100%	

Self-taught guided by a panel of two that includes supervisor. Students undertaking PhD study, but not in final year.

As this is a pass-fail course, students must pass all assessment tasks.

5. Assessment Rubrics

Assessment Task*	Criterion	Pass	Fail
1. Report	Student has written a clear report that addresses the breadth of the subject material with a degree of comprehensiveness and no major gaps.	Satisfactory report	Fails to write a satisfactory report
2. Presentation	Student gives a well-structured presentation that draws attention to key issues within the subject covered in the course reading.	Makes a well-structured presentation	Fails to give a well-structured presentation
3. Oral examination	Student is able to answer questions about the work that they have done in the course.	Adequate answers to the questions	Inadequate answers to the questions

*As this is a pass-fail course students must pass both assessment tasks

Part III Other Information (more details can be provided separately in the teaching plan)

1. Keyword Syllabus

Nil

2. Reading List

2.1 Compulsory Readings

Nil

2.2 Additional Readings

1.	Entirely set by student
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