

## **GEOG3207 Environmental Management: Impact Assessment (6 credits)**

**Course Teacher: Dr C N Ng**

### **Objectives**

The course will help students to understand the role of Environmental Impact Assessment studies in environmental decision making process and as a means for better environmental management.

### **Course Synopsis**

The purpose of this course is to discuss the role of Environmental Impact Assessment (EIA) studies in the environmental decision-making process and as a means for better environmental management. The major components, processes, and attributes to EIA systems will be discussed throughout the lectures. The course will also introduce different methodologies in planning and managing of an EIA study. Applications of EIA system in the local context will be discussed in detail and illustrated by real-life examples mainly from Hong Kong.

### **Lecture Topics**

- The Environmental Impact Assessment (EIA) process
- Planning and management of EIA studies.
- Impact prediction: Assessment and evaluation
- Impact mitigation and compensation
- Public participation, decision-making and EM & A
- Strategic EIA. Field trip and case studies

### **Assessment**

Examination (two hours) 50%; Coursework 50% (consists of a group project and a presentation).

### **Learning Outcomes**

Knowledge:

- Major aspects in Environmental Impact Assessment process
- Planning, management and evaluation of EIA studies
- Practical experience of local EIA studies
- The effectiveness and limitations of current EIA systems

Skills:

- Basic skills in the reading, understanding and evaluating EIA reports
- Ability to identify the discrepancy between the planning and execution of the EIA process
- Ability to critically evaluate the performance and effectiveness of EIA process

### **Recommended Reading List**

1. Glasson, J. Therivel, R. & Chadwick, A. (2012) *Introduction to environmental impact assessment*. 4<sup>th</sup> Ed. London, Routledge Press.
2. Morris, P. and Therivel, R. (2009) *Methods of environmental impact assessment*. 3rd ed. London; New York : Spon Press.