SUBJECT DESCRIPTION FORM

Subject title: International Construction Projects

Subject code: BRE581

Credit value: 3

Responsible staff and department: Dr. Martyn Hills and Prof. Albert Chan (BRE)

Pre-requisite (Subject title and code no, if any): Nil

Recommended background knowledge:

Students are expected to possess knowledge of the construction and real estate industries such as would be acquired through study on a degree in a built-environment discipline.

Mutual exclusions: Nil

Learning approach:

Topics are introduced through a study guide, which is supplemented by material delivered during the lectures. Seminars provide an opportunity for students to further explore topics in greater depth through case study analysis, and critical evaluation of established protocols. The independent study comprises an individual term paper as well as guided reading.

- Lectures
- Seminars
- Independent study
  - Term paper
  - Guided reading

Assessment:

Continuous assessment 50%
Examination 50%

Objectives:

On completion of this subject the student should be able to:

- Demonstrate an understanding of international trade and the nature of international construction;
- Describe the procurement and management techniques used for international construction projects;
- Use knowledge and reasoning skills to select appropriate procurement options;
- Explain the implications involved in running a project under different contractual arrangements;
- Apply laws and procedures to the administration of construction contracts;
- Analyse the sources of financing and securities for international projects;
- Demonstrate an awareness of the importance of strategic alliances for international projects.
Keyword syllabus:

**International Construction**: Opportunities in local, Chinese and overseas market, managing multi-disciplinary and multi-national projects, cultural and political risks.

**Strategic Alliances**: Design, management and measures of success for international joint venture projects.

**Procurement of Major Projects**: Turnkey, Management Contracting and Construction Management, Build-Operate-Transfer, Marketing strategies for construction exports.

**Project Financing**: Financial evaluation techniques, source of funds, requirements of funding agencies such as the World Bank, allocation of risks.

**Contract Administration**: International standard forms of contract conditions, such as the FIDIC contract and the ENAA Model Form, bonds and insurance, dispute resolution.

Indicative reading list and references:


