Subject Code: BRE346
Level: 3
Contact Hours: PW:140
Student Effort Hours: 154
Assessment Method: Coursework 100%
Credit Value: 4
Pre-requisites: BRE218 or equivalent
Co-requisites: Nil
Exclusions: Nil
Subject Leader/Lecturer/Dept.: S.W. Fong (BRE)

INTEGRATED PROJECT IIA

Subject Aim:

This subject is intended to:

1. Encourage the critical investigation, analysis and synthesis in solving problems in the professional context.
2. Provide an environment for the student to develop skills in identifying and solving problems and allows the integration of knowledge gained in separate subject areas.
3. Promote the students’ understanding of the interdisciplinary and course specific nature of the development and construction process and develops team working.
4. Develop an outlook for construction and surveying practices in other countries.

Learning Outcomes:

Students will demonstrate their ability to:

1. Identify and diagnose problems in the development and construction process, including social, technical, economical and environmental issues.
2. Integrate and create knowledge and skills acquired in various subject areas and to solve problems in a professional manner.
3. Keep abreast current and future development of the professional surveying industry in Hong Kong, Asia Pacific Region and worldwide and make appropriate use of such knowledge in proposed analysis and actions.
4. Communicate and work effectively with members from same or different professions, including effective oral/written presentation of analysis, justification of recommended actions, and persuasive messages intended to affect the perceptions of others.
5. Appreciate the differences in construction or surveying practices between Hong Kong and other countries through an in-depth study.

Brief Syllabus Content:

A series of construction and property related project scenarios will be set to replicate a situation which could be met in practice. Sometimes the restrictions of the study environment will require the scenario to be modified. The projects will require students to make use of and integrate knowledge from previous and current subject modules. Each project will include elements of group and individual work. The projects require students to develop solutions creatively and to present recommendations systematically. Comparative study between construction and surveying practices in Hong Kong and other countries.

Learning and Teaching Approach (tasks and activities designed to achieve learning outcomes):

The projects will provide a student centered problem-based learning approach in a professional or industrial setting. The projects will be delivered by a team of project tutors, with overall co-ordination by one member of staff to ensure continuity and relevance of project subject matter. Project material will be co-ordinated at the start of each academic year to ensure quality and consistency of the project information given to the students. This subject will be timetabled one day per week throughout 3 semesters of year 2.

An important part of the subject is the comparative study of the construction and real estate industry of selected countries and Hong Kong. A Study Tour or equivalent is to be organized by students.

Assessment strategy (assessment of student performance resulting from learning tasks):

The subject will be assessed by projects, presentations and reflective journals. Each project will contain tasks such that marks can be awarded for group work as well as for individual work.

Reading List:

Construction and Management-related Journals, Library Databases, Statistics, Module Texts and Internet Resources

Teaching activities: Lecture (LT)/Tutorial (TU)/Seminar (SM)/Drawing (DW)/Laboratory or Practical (LB)/Studio (ST)/Workshop (WS)/Project (PJ)/Field Study (FS)/Guided Study (GS)/Visit (VS)