CONSTRUCTION MANAGEMENT

Subject Aims:
This subject is intended to:
1. Provide a macroscopic view of management theories
2. Apply management knowledge in the built environment.
3. Use management techniques, skills for managing construction projects

Learning Outcomes:
Students will demonstrate their ability to:
1. Make comparisons between a range of management theories and concepts
2. Draw upon general management concepts through the skill of reflection and apply to the construction and real estate industry
3. Use management techniques to manage construction projects

Brief Syllabus Content:
A general overview of management theories: scientific management approach, human resources approach, systems approach, organisational behaviour approach, and situational approach.
Management concepts: nature of management, ethics management, managerial role and management functions
Management functions: planning, organizing, leading, and controlling
Context of the construction and real estate industry: internal and external environment
Relevance of construction management
Management in construction and project management techniques: managing time (project planning and programming techniques); managing quality (quality management system and management science); managing cost (financial management and project life cycle)

Learning and Teaching Approach (tasks and activities designed to achieve learning outcomes):
The theory will be delivered in lecture periods. During the tutorial sessions, management cases analysis, role play, in class discussion, debate will be arranged. Students’ presentations, coursework feedback and guided problem-solving shall be conducted during seminars. External guest speakers from industry will be invited to offer up-date information and practices.

Assessment strategy (assessment of student performance resulting from learning tasks):
Examination and coursework will constitute 70% and 30% of the overall grade of the subject respectively. The coursework assessment will include essay writing, exercises, seminar presentation and in class discussion (at least one coursework to be issued). Group projects on topics assigned related to the contemporary issues within the context of Hong Kong will be used to assess students’ ability to manage different types of construction projects.

Reading List:
Recommended:
Hong Kong Ethics Development Center (HKEDC) (1996) Ethics for Professionals (Architecture, Engineering and Surveying): A Resource Portfolio for Hong Kong Universities, HKEDC, and Hong Kong.

Notes and study guide materials available on the SMILE website.