## SUBJECT DESCRIPTION FORM

<table>
<thead>
<tr>
<th>Subject title:</th>
<th>Project Management</th>
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<tbody>
<tr>
<td>Subject code:</td>
<td>BRE503</td>
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<tr>
<td>Credit value</td>
<td>3</td>
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**Responsible staff and department:**

Prof. Albert Chan and Dr. Linda Fan (BRE)

**Pre-requisite:** Nil

**Recommended background knowledge:**

Students are expected to possess knowledge of the construction and real estate industries, for example, completion of a degree in a built-environment discipline.

**Mutual exclusions:** Nil

**Learning approach:**

The course will consist of a series of lectures and tutorials for the introduction of concepts and theory of project management. In supplement, case studies will be introduced to reflect the real life examples of project management and techniques.

**Contact hours:**

<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>Lectures/seminars</td>
<td>24</td>
</tr>
<tr>
<td>Tutorials/on-line tutorial</td>
<td>12</td>
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<tr>
<td>Workshops</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>42</td>
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**Independent study:**

<table>
<thead>
<tr>
<th></th>
<th>Hours</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>58</td>
</tr>
<tr>
<td>Self study</td>
<td>40</td>
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<tr>
<td>Total</td>
<td>140</td>
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**Assessment:**

Continuous assessment

- Discussion & presentation
- Group report & reflective journal 70%
- Test (2 hours) 30%

**Objectives:**

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

- Understand principles of Project Management Body of Knowledge (PMBOK)
- Learn the skills in managing projects with cross-functional teams and external parties
- Apply the project management techniques at work places aiming at shorter lead time, reduced costs, improved quality and enhanced relationship with the concerned parties
Keyword syllabus:

Overview of project management: characteristics of project; characteristics of project management; defining project management; responsibilities of project managers; meaning of PMBOK.

Project integration management: definition of integration management; project stakeholders; project objectives and trade-offs; project life cycles; project plan; project execution; overall project change.

Project scope management: meaning of scope; development of a project charter; scope statement; work breakdown structure (WBS).

Project time management: project master schedules; logic networks; methodology for network analysis; identifying the critical path; schedule control.

Project cost management: meaning of cost management; process of cost management; resource planning; cost estimating; cost budgeting; cost control; value management.

Project quality management: source of failure; possible causes for cost related errors; overview of quality management; quality planning; quality assurance; quality control.

Project human resource management: overview of project human resource management; organisational planning; staff acquisition; team development.

Project communications management: general communication concept; process of project communication; best practice for project communication.

Project risk management: process of project risk management; risk identification; risk quantification; risk response development; risk response control.

Project procurement management: process of procurement management; procurement planning; solicitation planning; solicitation; source selection; contract administration; contract close-out.

Indicative reading list and references:


