## Subject Description Form

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>BRE3312</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Title</td>
<td>Integrated Project (Surveying)</td>
</tr>
<tr>
<td>Credit Value</td>
<td>2</td>
</tr>
<tr>
<td>Level</td>
<td>3</td>
</tr>
<tr>
<td>Pre-requisite / Co-requisite/ Exclusion</td>
<td>BRE294, BRE206</td>
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</tbody>
</table>

### Objectives

1. Encourage critical investigation, analysis and synthesis in solving problems in the surveying professional context.
2. Provide an environment for the students to develop skills in identifying and solving problems related to the surveying profession and real estate industry and allow the integration of knowledge gained in separate subject areas.

### Intended Learning Outcomes

Upon completion of the subject, students will be able to:

1. Integrate and apply knowledge and skills gained from various subject areas on construction engineering design, technology, management, economics and legal aspects to the case of a particular project.
2. Develop teamwork spirit as an effective approach to tackling a project and solving problems related to the surveying profession and real estate industry in a professional context.
3. Communicate effectively technical information in a managerial role, including information collection, proper presentation of analysis and justification of recommended actions.

### Subject Synopsis/Indicative Syllabus

A construction and property related project scenario 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 integrated project requires students to make use of the knowledge and skills acquired in Level 2 subjects (e.g. Construction Technology and Structure, together with Legal Context of Construction and Real Estate) and Level 3 subjects (e.g. Construction Technology II and Construction Management) to tackle the tasks related to the management, technology and legal aspects as assigned by the respective lecturers. The project will include an element of group effort and individual work assessment.

### Teaching/Learning Methodology

The whole class is divided into groups of 4 or 5 students. Each group is to identify and select a building construction site/project to form a common base for several given tasks. Briefing sessions via a ‘Project Guide’ will be conducted to familiarize students with the methodology and areas of consideration for each task. The tasks are to be performed in the given sequence and time frame. Visiting practicing professionals will be invited to deliver relevant lectures to students on the subject matter. Supervision and consultation will be made available during the entire process. Mid-way through the project, an Interim Report is required from each group for assessment by the relevant supervisors. Towards the end of the Semester II, each group shall present their work in the form of a concise written report with full working details. A final assessment will then be made on overall group performance for this subject.
### Assessment Methods in Alignment with Intended Learning Outcomes

<table>
<thead>
<tr>
<th>Specific assessment methods/tasks</th>
<th>% weighting</th>
<th>Intended subject learning outcomes to be assessed (Please tick as appropriate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Project work.</td>
<td>80</td>
<td>√  √  √  √  √  √  √</td>
</tr>
<tr>
<td>2. Continuous assessment.</td>
<td>20</td>
<td>√  √  √  √  √  √</td>
</tr>
<tr>
<td>Total</td>
<td>100 %</td>
<td></td>
</tr>
</tbody>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

(a) Participation and contribution.
(b) Relevant focus and depth.
(c) Analysis, synthesis and technical competence of construction methods.
(d) Logic of explanation.
(e) Relevance and clarity of sketches.
(f) Comprehensive consideration of inter-relationships between site operations.
(g) Communication skills.

### Student Study Effort Expected

**Class contact:**
- Supervision and consultation: 14 Hrs.
- Project discussion and evaluation: 14 Hrs.

**Other student study effort:**
- Project work: 50 Hrs.
- Preparation and material searching: 30 Hrs.

**Total student study effort:** 108 Hrs.

### Reading List and References

Construction Journals, Databases, Statistics and Subject Module Texts