**Subject Description Form**

<table>
<thead>
<tr>
<th><strong>Subject Code</strong></th>
<th>COMP5221</th>
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<tbody>
<tr>
<td><strong>Subject Title</strong></td>
<td>Software Project Management</td>
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<tr>
<td><strong>Credit Value</strong></td>
<td>3</td>
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<tr>
<td><strong>Level</strong></td>
<td>5</td>
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</table>
| **Pre-requisite/ Exclusion** | Prerequisite: Nil  
Exclusion: COMP5220 Information Systems Project Management |

**Objectives**
The objectives of this subject are to:

1. provide students with a systematic approach to initiating, planning, executing, controlling and closing a software project;
2. enable students to develop a basic understanding of the nine project management areas and the role of a typical project manager;
3. enable students to understand the best practices and techniques used in project management processes.

**Intended Learning Outcomes**
Upon completion of the subject, students will be able to:

a) describe project life cycle;
b) write a project plan;
c) estimate project effort, monitor and report on project progress;
d) apply risk management techniques, time and cost management techniques; and
e) understand quality management concepts and models.

**Subject Synopsis/Indicative Syllabus**

- **Project Management**: Project conception; Project definition; Project Life Cycle; Roles and Responsibility of project manager, Principle of Software Development.
- **Project Management Processes**: Initiating, planning, executing, controlling, and closing.
- **Project management techniques**: planning, organizing, controlling, evaluating, reporting, costing, sizing, cost/benefit analysis, and earned value analysis.
- **Methods for project planning**: Estimation of project size, schedule and cost.
- **Methods for project control**: Checkpoints, Reviews, Change Management, Reporting, Issues management, Team building, High performance team.

**Teaching/Learning Methodology**
Class activities including - lecture, tutorial, lab, workshop seminar where applicable
### 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</th>
</tr>
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<tbody>
<tr>
<td>Assignments &amp; Projects</td>
<td>55</td>
<td>✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Final Examination</td>
<td>45</td>
<td>✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
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### Student study effort expected

**Class Contact:**
- Class activities (lecture, tutorial, lab) 39 hours

**Other student study effort:**
- Assignments, Quizzes, Projects, Exams 65 hours

**Total student study effort** 104 hours

### Reading list and references