**Subject Description Form**

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>COMP 5321</th>
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<tbody>
<tr>
<td><strong>Subject Title</strong></td>
<td>Enterprise Web and Internet Computing for Managers</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: COMP5322 Internet Computing and Applications |

**Objectives**
The course is designed to provide a high level, managerial perspective of the evolving landscape of Web and Internet Computing. Specifically, the subject aims to introduce to students the fundamental concepts and applications of Web and Internet technologies, and their increasing impact on enterprise e-solutions. The subject is augmented with engaging coverage of Enterprise 2.0 concepts that exposes students to Web 2.0 tools in social and enterprise environments.

**Intended Learning Outcomes**
After completing this subject, students should be able to:

a) understand the fundamental concepts of Web and Internet technologies, and how they impact development of future enterprise information systems;

b) identify necessary concepts that may equip them to understand future technological advancements in Web and Internet; and

c) apply technical knowledge for strategic IS deployment decisions.

**Subject Synopsis/Indicative Syllabus**

**Web and Internet Fundamentals**
- Why use web and internet technology for enterprise IS?
- Internet Architecture
- Web 1.0
- Protocols and Services
- Computing model

**Introduction to Web 2.0**
- Web 2.0 vs Web 1.0
- Harnessing Web 2.0 for Enterprise
- Challenges and Opportunities
- Web computing thru’ Rich Internet Applications (RIA)
- Collaborative contents and computing

**Social Networking and Mobility**
- Business value of social networks
- Case study on successful social network sites
- Mobile social networking
- On-the-move enterprise computing
- Standard and Interface
- Security and Privacy

**Internet Groupware Processing**
- Benefits of groupware for enterprise IS
### What is groupware?

### Enterprise workflow

### Groupware market overview

### Cloud Computing

- Business value of cloud computing
- Case study
- Challenges and opportunities

### Intranet Administration and Management

- The need for efficient administration
- Organizing Hierarchy
- Access Control
- Administration Tools

### Teaching/Learning Methodology

There will be a mix of lectures, discussions and case study analysis. Recent articles in the area of web and internet computing strategies will also be reviewed and discussed in lectures. To incorporate practical aspect to this subject, students will be given the opportunity to apply study materials and concepts taught in the class to their organization environment in the form of case study and report.

### Assessment Methods in Alignment with Intended Learning Outcomes

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<thead>
<tr>
<th>Specific Assessment Methods/Tasks</th>
<th>% weighting</th>
<th>Intended subject learning outcomes to be assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments, Tests &amp; Projects</td>
<td>55</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>Final Examination</td>
<td>45</td>
<td>✓ ✓ ✓</td>
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<tr>
<td>Total</td>
<td>100</td>
<td>✓ ✓ ✓</td>
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<th>Intended subject learning outcomes to be assessed</th>
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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