Description: Object-Oriented Design with UML and Java

<table>
<thead>
<tr>
<th>Subject</th>
<th>Cat-nbr</th>
<th>Class</th>
<th>Term</th>
<th>Mode</th>
<th>Units</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC</td>
<td>8418</td>
<td>70251</td>
<td>3, 2007</td>
<td>EXT</td>
<td>1.00</td>
<td>Toowoomba</td>
</tr>
</tbody>
</table>

Academic group: FOSCI
Academic org: FOS003
Student contribution band: 2
ASCED code: 020305

STAFFING

This information will be available from 15-06-2007

OTHER REQUISITES

Recommended Pre-requisite: CSC2402 and CSC2407 and CSC8416

RATIONALE

As object-oriented techniques rapidly become the standard for systems development throughout the computing industry, development methodologies based on earlier structured programming techniques have been found to be inadequate. A number of modelling techniques that support the object-orient analysis and development paradigms have been published, and have been adopted by object developers world wide. Students will be expected to gain a solid understanding of object-oriented modelling requirements and the principles in analysis, design and programming, and be able to appraise the suitability of methodologies and techniques for particular problem domains.

SYNOPSIS

This course introduces object-oriented methods for analysing a problem domain and creating an implementation independent formal representation of the system requirements, from which an object-oriented design of the system is then constructed. Issues involved in the process of transforming an OO analysis of a system into an OO design and implementation are studied in the context of a large software project in an application domain and implementation platform of the student's own choosing. Students will be provided with the knowledge and skill in the latest concepts in object-oriented analysis and object-oriented design, coupled with the most comprehensive OO modelling language and notation such as Unified Modelling language (UML), plus implementation with the Java programming language. Students will be given the opportunity to study the methodologies for applying these fundamental concepts through project work to develop a variety of distributed application systems.
OBJECTIVES
This information will be available from 15-06-2007

TOPICS
This information will be available from 15-06-2007

TEXT and MATERIALS required to be PURCHASED or ACCESSED
This information will be available from 15-06-2007

REFERENCE MATERIALS
This information will be available from 15-06-2007

STUDENT WORKLOAD REQUIREMENTS
This information will be available from 15-06-2007

ASSESSMENT DETAILS
This information will be available from 15-06-2007

IMPORTANT ASSESSMENT INFORMATION
This information will be available from 15-06-2007

ASSESSMENT NOTES
This information will be available from 15-06-2007

OTHER REQUIREMENTS
This information will be available from 15-06-2007