Description: Computing Honours Project B

<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>
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<tr>
<td>CSC</td>
<td>4401</td>
<td>34393</td>
<td>2, 2004</td>
<td>ONC</td>
<td>2.00</td>
<td>TW MBA</td>
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Academic group: FOSCI
Academic org: FOS003
Student contribution band: 2
ASCED code: 029999

STAFFING
Examiner: Ron Addie
Moderator: Zhongwei Zhang

REQUISITES
Pre-requisite: Students must be enrolled in one of the following Programs: BINH or GCAC or GCPC or GDAC or GDPC or MCOP or MPIT or MPCP Co-requisite: CSC4400

RATIONALE
An in-depth project and dissertation are necessary to prepare graduates for further research and responsible jobs in the computing industry. This course, in conjunction with CSC4400, Computing Honours Project A, enables students to develop research capability and skills for that purpose.

SYNOPSIS
This course forms the second half of the research training component of the Computing Honours program. It consists of completing a selected project in Applied Computer Science, Networking, Software Engineering or Industrial Computing, with the supervision of appropriate staff from the Department of Mathematics and Computing. The project will consist of review and research into a well defined area of computing and its application. Information and ideas will be gathered, created, organised, analysed and discussed in a critical and evaluative manner. The topic of the project and report will have been selected in consultation with the staff of the Department.

OBJECTIVES
On successful completion of this course students will be able to:
1. demonstrate the ability to develop higher level computing skills which include the analysis, synthesis and evaluation of factors involved in the project.
2. demonstrate the ability to complete an extensive research based project and evaluate the results.
3. effectively document and communicate the results of the project and the methods used.

TOPICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
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<tbody>
<tr>
<td>1. The candidate will complete a supervised research project in one of the following areas: distributed data base systems, parallel computing, parallel compiler design, distributed computer systems, programming language design and implementation, software engineering, human-computer interaction user interface design, computer graphics, network analysis or design, numerical computing, and simulation.</td>
<td>100.00</td>
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TEXT and MATERIALS required to be PURCHASED or ACCESSED:

ALL textbooks and materials are available for purchase from USQ BOOKSHOP (unless otherwise stated). Orders may be placed via secure internet, free fax 1800642453, phone 07 46312742 (within Australia), or mail. Overseas students should fax +61 7 46311743, or phone +61 7 46312742. For costs, further details, and internet ordering, use the 'Textbook Search' facility at http://bookshop.usq.edu.au click 'Semester', then enter your 'Course Code' (no spaces).

To be advised depending on the research project.

REFERENCE MATERIALS:

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.

Appropriate material from books, journals and conference proceedings software tools and their manuals.

STUDENT WORKLOAD REQUIREMENTS:

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>HOURS</th>
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<tbody>
<tr>
<td>Project Work</td>
<td>310.00</td>
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<td>Supervisor Consultation</td>
<td>30.00</td>
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ASSESSMENT DETAILS

<table>
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<tr>
<th>Description</th>
<th>Marks out of</th>
<th>Wtg(%)</th>
<th>Due date</th>
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<tbody>
<tr>
<td>LITERATURE &amp; RESOURCE SURVEY</td>
<td>1.00</td>
<td>0.00</td>
<td>20 Jul 2004</td>
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<tr>
<td>FINAL SEMINAR</td>
<td>10.00</td>
<td>10.00</td>
<td>20 Jul 2004</td>
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<tr>
<td>DISSERTATION</td>
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<td>90.00</td>
<td>20 Jul 2004</td>
</tr>
</tbody>
</table>

NOTES:
1. Refer to Examiner for information about project due dates.
2. Refer to Examiner for information about project due dates.
3. Refer to Examiner for information about project due dates.

IMPORTANT ASSESSMENT INFORMATION

1. Attendance requirements:
   It is the student's responsibility to maintain regular contact with their supervisor.

2. Requirements for students to complete each assessment item satisfactorily:
   To complete each of the assessment items satisfactorily, students must obtain at least 50% of the marks available for each assessment item.

3. Penalties for late submission of required work:
   Submission of assessment items later than the due dates, or extended due dates, set by the Examiner may lead to a Fail grade for the course.

4. Requirements for student to be awarded a passing grade in the course:
   To be awarded a passing grade in the course, students must complete all assessment items satisfactorily.

5. Method used to combine assessment results to attain final grade:
   The final grades for students will be assigned on the basis of the aggregate of the weighted marks obtained for each of the summative assessment items in the course.

6. Examination information:
   There is no examination in this course.

7. Examination period when Deferred/Supplementary examinations will be held:
   There will be no Deferred or Supplementary examinations in this course.

8. University Regulations:
   Students should read USQ Regulations 5.1 Definitions, 5.6. Assessment, and 5.10 Academic Misconduct for further information and to avoid actions which might contravene University Regulations. These regulations can be found at the URL http://www.usq.edu.au/corporateservices/calendar/part5.htm or in the current USQ Handbook.

OTHER REQUIREMENTS

1. Final grades for students will be determined by a meeting of two examiners and the supervisor.
The examiners and the supervisor may award an incomplete grade, in which case they will nominate a future date by which the dissertation must be resubmitted. A dissertation which has been resubmitted cannot be awarded an incomplete grade (resubmission can occur at most once).

Submission of the Dissertation. The due date for submission of the dissertation is the date by which a student must despatch the dissertation to the USQ. The onus is on the student to provide proof of the despatch date, if requested by the Examiner. Students must retain a copy of their dissertation. This must be produced within 24 hours of receipt of a request being made by the Examiner.

The dissertation will be assessed on the demonstrated quality of: incorporation of established knowledge; assimilation of research literature; scientific techniques; innovation; and technical writing.