Description: Software Engineering Practice

<table>
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<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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<td>14652</td>
<td>2, 2002</td>
<td>EXT</td>
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Academic Group: FOENS
Academic Org: FOES04
HECS Band: 2
ASCED Code: 031305

STAFFING
Examiner: John Leis
Moderator: Jim Ball

PRE-REQUISITES
Pre-requisite: ELE 2303 Co-requisite: ELE 3305 and ELE 3307

SYNOPSIS
This is the final practice course for Bachelor of Engineering students majoring in Software Engineering and for Bachelor of Engineering Technology students majoring in Computer Systems Engineering. Day students will complete this laboratory work in conjunction with the courses listed above as Day co-requisites. In the case of external students this laboratory work will be performed during a one week residential school, during year 6 of their program. For Bachelor of Engineering students, the course may be undertaken in year 7 immediately adjacent to ENG3902 Professional Practice 1, so that both may be completed over a two week period. This course provides experimental work and project work in the area of computer networking. The principle objectives are to allow the student to develop knowledge of techniques, apply theory and interact with phenomena in real situations, and further develop problem identification and solution skills together with a capacity for self learning. A significant proportion of the course is devoted to group based project work.

OBJECTIVES
On completion of this course, students should be able to:

- apply knowledge of computer networking in real situations;
- demonstrate problem identification and solution skills;
- demonstrate a high level of skill in observation, interpretation, analysis and communication;
- demonstrate an ability to work as part of a team.
TOPICS

Description Weighting (%) 
1. Computer System Topics 40.00 
2. Computer Networking 60.00 

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.

_ELE3305 Computer Systems and Communications Protocols External Study Package, USQ Publication,_

_ELE3307 Real Time Systems External Study Package, USQ Publication,_

STUDENT WORKLOAD REQUIREMENTS

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>HOURS</th>
</tr>
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<tbody>
<tr>
<td>Laboratory or Practical</td>
<td>32</td>
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<tr>
<td>Classes</td>
<td></td>
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<tr>
<td>Report Writing</td>
<td>18</td>
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ASSESSMENT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Marks Out of</th>
<th>Wtg(%)</th>
<th>Required</th>
<th>Due Date</th>
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<tr>
<td>LABORATORY REPORTS</td>
<td>1.00</td>
<td>100.00</td>
<td>Y</td>
<td>08 Nov 2002</td>
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</table>

OTHER REQUIREMENTS

1 To be awarded a passing grade in this course students must complete at least 80% of the practical and other activities in the course.
2 This course will require attendance at a residential school.
3 To obtain a passing grade, students must demonstrate competency by: (i) satisfactory performance of individual tasks; (ii) satisfactory participation in group activities; and (iii) submission of a satisfactory report by the due date.
4 The only final grades awarded in this course are Pass (P) or Fail (F) grades.
5 A minimum standard of communication skills must be demonstrated in order for a passing grade to be achieved.
6 The due date for an assignment is the date by which a student must submit the assignment to the USQ. The onus is on the student to provide proof of the submit date, if requested by the Examiner.
7 Students must retain a verbatim copy of each item submitted for assessment. This must be produced within five days if required by the Examiner.
In accordance with University's Assignment Extension Policy (Regulation 5.6.1), the examiner of a course may grant an extension of the due date of an assignment in extenuating circumstances.

If students submit assignments after the due date without prior approval then a penalty of up to 10% of the total marks for the assignment will apply for each working day late.

In the event that a due date for an assignment falls on a local public holiday in their area, such as a Show holiday, the due date for the assignment will be the next day. Students are to note on the assignment cover the date of the public holiday for the Examiner's convenience.

The Faculty of Engineering and Surveying will NOT accept submission of handwritten or typed assignments by facsimile, e-mail or computer diskette. Students in remote locations who do not have regular access to postal services may be given special consideration.

Students who have undertaken all of the required assessments in a course but who have failed to meet some of the specified objectives of a course within the normally prescribed time may be awarded the temporary grade: IM (Incomplete - Make up). An IM grade will only be awarded when, in the opinion of the examiner, a student will be able to achieve the remaining objectives of the course after a period of non-directed personal study.

Students who, for medical, family/personal, or employment-related reasons, are unable to complete an assignment or to sit for an examination at the scheduled time may apply to defer an assessment in a course. Such a request must be accompanied by appropriate supporting documentation. One of the following temporary grades may be awarded IDS (Incomplete - Deferred Examination; IDM (Incomplete Deferred Make-up; IDSM (Incomplete Deferred Examination and Make-up).