The University of Southern Queensland

Course Specification

Description: Software Development Tools

<table>
<thead>
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<th>Subject</th>
<th>Cat-Nbr</th>
<th>Class</th>
<th>Term</th>
<th>Mode</th>
<th>Units</th>
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<tr>
<td>CSC</td>
<td>2408</td>
<td>20419</td>
<td>1, 2003</td>
<td>ONC</td>
<td>1.00</td>
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STAFFING

Examiner: Leigh Brookshaw
Moderator: David Mason

PRE-REQUISITES

Pre-requisite: CSC1401

RATIONALE

Students often need to use a selection of software tools when undertaking programming assignments, especially in second and third year courses. This course introduces students to a basic set of tools used in developing software, thus reducing duplication of presentation in other courses, and ensuring that all students are familiar with available tools before undertaking advanced level courses.

SYNOPSIS

In this course, students will be introduced to a range of software development tools. Particular attention will be given to configuration management tools (used to build programs from component parts, and to manage the development of the components), common scripting languages and debuggers. The emphasis will be upon tools available under the Unix family of operating systems, though most of the tools are available under other operating environments. A range of the more commonly used general Unix tools will also be covered.

OBJECTIVES

On successful completion of this course students will:

- Be able to demonstrate the ability to use a range of software development tools.
- Be familiar with the Unix/Linux operating systems and facilities.
TOPICS
Description Weighting (%) 
1. Standard Unix tools 37.00
2. Configuration Management 13.00
3. Scripting Languages 37.00
4. Debuggers 5.00
5. Document Preparation 8.00

TEXT and MATERIALS required to be PURCHASED or ACCESSED:
Books can be ordered by fax or telephone. For costs and further details use the 'Book Search' facility at http://bookshop.usq.edu.au by entering the author or title of the text.


Selected Readings 2003, *Course CSC2408 Software Development Tools*, USQ Distance Education Centre, Toowoomba.

Study Book 2003, *Course CSC2408 Software Development Tools*, USQ Distance Education Centre, Toowoomba.

STUDENT WORKLOAD REQUIREMENTS

<table>
<thead>
<tr>
<th>ACTIVITY</th>
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<tbody>
<tr>
<td>Private Study</td>
<td>156</td>
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<tr>
<td>Tutorial</td>
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ASSESSMENT DETAILS

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<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>ASSIGNMENT 1</td>
<td>36.00</td>
<td>18.00</td>
<td>Y</td>
<td>04 Apr 2003</td>
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<tr>
<td>ASSIGNMENT 2</td>
<td>16.00</td>
<td>8.00</td>
<td>Y</td>
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<td>ASSIGNMENT 3</td>
<td>18.00</td>
<td>18.00</td>
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<td>ASSIGNMENT 4</td>
<td>24.00</td>
<td>6.00</td>
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<td>EXAMINATION 2 HRS CLOSED</td>
<td>100.00</td>
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NOTES:
- Examination dates will be available during the semester. Please refer to the examination timetable when published.
IMPORTANT ASSESSMENT INFORMATION

1 Attendance requirements:
   It is the students' responsibility to attend and participate appropriately in all activities
   (such as lectures, tutorials, laboratories and practical work) scheduled for them,
   and to study all material provided to them or required to be accessed by them to
   maximise their chance of meeting the objectives of the course and to be informed
   of course-related activities and administration.

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

3 Penalties for late submission of required work:
   If students submit assignments after the due date without prior approval then a
   penalty of 10% of the total marks gained by the student for the assignment will
   apply for each working day late.

4 Requirements for student to be awarded a passing grade in the course:
   To be assured of receiving a passing grade a student must submit all of the
   summative assessment items, achieve at least 50% in the examination and at least
   50% of the available marks for the summative assessment items.

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

6 Examination information:
   Candidates are allowed to bring only writing and drawing instruments into the
   closed examination.

7 Examination period when Deferred/Supplementary examinations will be held:
   Any Deferred or Supplementary examinations for this course will be held during
   the examination period at the end of the semester of the next offering of 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/SECARIAT/calendar/Part5/ or in the printed version of the
   current USQ Handbook.