Description: Web Publishing

Subject: CSC  
Cat-nbr: 2406  
Class: 70107  
Term: 3, 2007  
Mode: EXT  
Units: 1.00  
Campus: Toowoomba

Academic group: FOSCI  
Academic org: FOS003  
Student contribution band: 2  
ASCED code: 029999

STAFFING
Examiner: Jamie Shield  
Moderator: Michael de Raadt

OTHER REQUISITES
Recommended Pre-requisites: CSC2408 or USQIT16

RATIONALE
Web publishing is a rapidly expanding and important industry. It can be considered as part of the computing industry, or the publishing industry, and it has extremely important implications in many other areas. USQ graduates in computing, and many other disciplines, need expertise in this area. This course will provide them with skills in document creation, publishing, and the more technical computer-oriented aspects of web publishing. The course will emphasise both the generation of web materials and the establishment and maintenance of the services required to support it.

SYNOPSIS
This course attempts to convey the essential skills and knowledge required to create and maintain high quality web documents and the sites where these are located. The course will cover document design and preparation, as well as the more technical issues of web-publishing such as CGI scripts, web site maintenance, and site security. Program material will be available via the web only. Practical classes will be provided for internal students. An email list-server will be used to facilitate email communication among students and between staff and students. Experience programming in the high level language "C" is recommended. Experience with using Linux/Unix is also recommended. This course is not offered at Wide Bay in even years.

OBJECTIVES
On completion of this course students will be able to:

1. show a basic understanding of document design and be able to formulate a logical design of a web site (Assignment 1, Exam);
2. show a basic understanding of graphics and how it is used in web publishing and web
documents (Assignment 1, Exam);
3. fully exploit the features of HTML and Cascading Style Sheets (Assignments 1 and 2,
Exam);
4. demonstrate understanding of the technical foundations of the Web (Assignment 2, Exam);
5. develop server and client software (Assignment 2, Exam);
6. establish, efficiently maintain and secure a web site (Assignment 2, Exam).

TOPICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
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</thead>
<tbody>
<tr>
<td>1. Introduction to the Web</td>
<td>5.00</td>
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<tr>
<td>2. Hypertext Transfer Protocol and MIME typing</td>
<td>10.00</td>
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<tr>
<td>3. Graphics and Image Maps</td>
<td>10.00</td>
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<tr>
<td>4. Advanced HTML</td>
<td>10.00</td>
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<tr>
<td>5. Document and Site Design and Style Guidelines</td>
<td>10.00</td>
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<tr>
<td>6. HTML Forms and Server Scripts in C</td>
<td>25.00</td>
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<tr>
<td>7. Introduction to XML, XHTML and Related Technologies</td>
<td>10.00</td>
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<tr>
<td>8. Server Configuration and Security</td>
<td>15.00</td>
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<tr>
<td>9. Introduction to the Web</td>
<td>5.00</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).

Department of Mathematics & Computing DVDROM SET 1, 2007 (available from the USQ
Bookshop). This DVD set contains course material, Windows and Linux Software relevant to this
course offering. Department of Mathematics and Computing DVDROM SET 2, 2007 (available
from the USQ Bookshop). This set contains a complete Linux distribution which is required for
this course. For more information about the DVD sets and their use, please refer to
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.

STUDENT WORKLOAD REQUIREMENTS

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>HOURS</th>
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<tbody>
<tr>
<td>Assessment</td>
<td>20.00</td>
</tr>
<tr>
<td>Examinations</td>
<td>2.00</td>
</tr>
<tr>
<td>Private Study</td>
<td>134.00</td>
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</table>

ASSESSMENT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Marks out of</th>
<th>Wtg(%)</th>
<th>Due date</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSIGNMENT 1</td>
<td>50.00</td>
<td>10.00</td>
<td>19 Dec 2007 (see note 1)</td>
</tr>
<tr>
<td>ASSIGNMENT 2</td>
<td>100.00</td>
<td>20.00</td>
<td>30 Jan 2008 (see note 2)</td>
</tr>
<tr>
<td>2 HOUR CLOSED EXAMINATION</td>
<td>200.00</td>
<td>70.00</td>
<td>END S3 (see note 3)</td>
</tr>
</tbody>
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NOTES

1. The Examiner advises that the Assignment deadline is midnight Australian Eastern Standard Time (AEST) on this date.
2. The Examiner advises that the Assignment deadline is midnight Australian Eastern Standard Time (AEST) on this date.
3. Examination dates will be available during the Semester. Please refer to the examination timetable when published.

IMPORTANT ASSESSMENT INFORMATION

1. Attendance requirements:
   There are no attendance requirements for this course. However, it is the students' responsibility 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 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:
   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 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 achieve at least 30% in all of the weighted assessment items, achieve at least 50% in the examination and at least 50% of the total weighted marks available for the course.
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:
In a Closed Examination, candidates are allowed to bring only writing and drawing instruments into the 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/corporateservices/calendar/part5.htm or in the current USQ Handbook.

ASSESSMENT NOTES

9 Students must retain a copy of each item submitted for assessment. This must be produced within 24 hours if required by the Examiner.

10 In accordance with University policy, the Examiner may grant an extension of the due date of an assignment in extenuating circumstances.

11 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); IDB (Incomplete - Both Deferred Examination and Deferred Make-up).

OTHER REQUIREMENTS

1 Students will require access to E-mail and internet access to USQ computers for this course.