MCS9303  World Wide Networking
Subject Outline
Spring Session 2008

Head of School –Associate Professor Peter Hyland, Student Resource Centre, Tel: (02) 4221 3606

GENERAL INFORMATION

Subject Coordinator
Dr Khin Than Win
Telephone Number: 4221 4142
Email: win@uow.edu.au
Location: 39.224

Dr Win’s consultation times during session:
Day       Time
Tuesday   14:30 - 16:30
Wednesday 11:30 – 13:30

Lecturer
Meng Fai (Joe) Cheow
Telephone Number: 4221 3750
Email: jcheow@uow.edu.au
Location: 39.115

Mr Cheow’s consultation times during session:
Day       Time
Monday   10:30 – 12:30
Tuesday  13:30 – 15:30

Subject Organisation
Session: Spring Session, Wollongong Campus
Credit Points: 6 credit points
Contact hours per week: 1 hours lectures, 2 hours Tutorial/Computer lab
Lecture Times & Location: Wed 13:30 – 14:30 35.G20
Tutorial Day, Time and Location can be found at: http://www.uow.edu.au/student/timetables/index.html

Students should check the subject's web site regularly as important information, including details of unavoidable changes in assessment requirements will be posted from time to time via e-Learning space http://www.uow.edu.au/student/lol. Any information posted to the web site is deemed to have been notified to all students.

Content
This subject investigates topics such as the following within the context of world wide networking: Web Technologies & Protocols; Software Development and Quality Assurance for Web Applications; Network Security; Client-side and Server-side Practical Tools for the Web; Local and International Web-based Policy and Practice in Education, Business and Government; Content Management for the Web; Current Legal Issues and the Web; and Web Services.
Emphasis will be placed on group work with students required to participate in problem solving communications tasks. Web based activities will be an essential element in the conduct of this subject. Other activities may include: the running of a bulletin board or Internet mailing list or the maintenance of a World Wide Web site.

**Objectives**
A student who successfully completes this subject should be able to:
(i) identify the technical, social and legal problems related to the developments in world wide networking;
(ii) debate legal, business and social issues confronting the global networking community;
(iii) critically analyse current standards and policies in relation to world wide networking;
(iv) demonstrate a capacity to work as a team member;
(v) discuss the key technical and security related issues confronting network managers; and
(vi) evaluate use of global networks as an educational medium.
(vii) Develop and create websites using basic technologies.

**Graduate Qualities**
All Schools in the Faculty of Informatics have adopted the UOW Graduate Qualities. On completion of their course graduates will be informed, independent learners, problem solvers, effective communicators and responsible. Further information can be found at http://www.uow.edu.au/about/teaching/qualities/

**Attendance Requirements:**
It is the responsibility of students to attend all lectures/tutorials/labs/seminars/practical work for subjects for which you are enrolled. It should be noted that the amount of time spent on each 6 credit point subject should be at least 12 hours per week, which includes lectures/tutorials/labs etc.

Satisfactory attendance is deemed to be attendance at approximately 80%* of the allocated contact hours. Attendance rolls will be kept for lectures, tutorials and laboratories. If you are present for less than 80%* you need to apply for special consideration, otherwise a fail grade will be recorded.

Students MUST attend their allocated tutorial unless they have the written permission of the subject coordinator.

**Method of Presentation:**
In order to maximize learning outcomes, it is strongly recommended that students attend all lectures.

**Lecture Schedule:**
A proposed Lecture schedule for the subject is as follows:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Reading</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction: Subject Overview and Assessment</td>
<td>Articles 1 and 2 (refer to “Other Resources”)*</td>
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<tr>
<td>2</td>
<td>Underlying Infrastructure and Technologies: Web Technologies &amp; Protocols</td>
<td>3, 4</td>
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<tr>
<td>3</td>
<td>Web design</td>
<td>5, 6</td>
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<tr>
<td>4</td>
<td>Quality Assurance for Web Applications</td>
<td>7, 8</td>
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<tr>
<td>5</td>
<td>Network Security (1)</td>
<td>9, 10</td>
</tr>
<tr>
<td>6</td>
<td>Network Security (2)</td>
<td>11, 12</td>
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<tr>
<td>7</td>
<td>Client-side Practical Tools for the Web: Scripting Languages, Cookies/Java Applets</td>
<td>13, 14, 14a</td>
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<tr>
<td>8</td>
<td>Server-side Practical Tools for the Web (CGI): Perl/PHP, ASP</td>
<td>15, 16</td>
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<tr>
<td>9</td>
<td>Education, Business and Government: Local and International Web-based Policy and Practice</td>
<td>17, 18</td>
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<tr>
<td>10</td>
<td>Content Management for the Web (continued): XML/XSL</td>
<td>19</td>
</tr>
<tr>
<td>11</td>
<td>Challenges for Business</td>
<td>20</td>
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<tr>
<td>12</td>
<td>Web Services and emerging technologies</td>
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<tr>
<td>13</td>
<td>Course Review</td>
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</tbody>
</table>
Changes to the above schedule will be posted via e-Learning space http://www.uow.edu.au/student/lol. Any information posted to the web site is deemed to have been notified to all students.

Subject Materials:
Any readings/references are recommended only and are not intended to be an exhaustive list. Students are encouraged to use the library catalogue and databases to locate additional readings

Other Resources:
(Available on Library Electronic Readings)

2. Kowack, G. 2008. TIME LINES
   Unanticipated and contingent influences on the evolution of the internet. interactions 15, 1 (Jan. 2008), 74-78.

Assessment:

This subject has the following assessment components.

<table>
<thead>
<tr>
<th>ASSESSMENT ITEMS &amp; FORMAT</th>
<th>% OF FINAL MARK</th>
<th>GROUP/INDIVIDUAL</th>
<th>DUE DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Examination</td>
<td>40%</td>
<td></td>
<td>Examination Period</td>
</tr>
<tr>
<td>2. tutorial participation</td>
<td>10%</td>
<td>individual</td>
<td>On-going,</td>
</tr>
<tr>
<td>3. Assignment 1 Literature review on online education environment</td>
<td>10%</td>
<td>individual</td>
<td>Week 5, Soft copy 20th August 10:30 a.m, hard copy in the tutorial</td>
</tr>
<tr>
<td>4. Assignment 2 Project Design consideration + implementation + Presentation (15+15+10)</td>
<td>40</td>
<td>Group</td>
<td>Week 11, Soft copy: 8th October 10:30 a.m, hard copy in the tutorial, Presentations week 11,12.</td>
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</tbody>
</table>

Notes on Assessment:

All assignments are expected to be completed independently. Plagiarism may result in a FAIL grade being recorded for that assignment.

All assignment details will be available at the subject website and will also be announced in the lecture as the session progresses. Participation in assessment relates to both tutorial and lab work, and to web based activates which will be linked to tutorials.

Electronic Submission of Assessment Items:

Unless otherwise notified by the subject coordinator, all written assignments must be submitted electronically.

Other Procedures for the submission of assessment items:

In addition to electronic submission students are required to submit assignments in hard copy to their tutor.

All assignments will be returned within 2 weeks of their submission.

To be eligible for a Pass in this subject a student must achieve a mark of at least 40% in the exam. Students who fail to achieve this minimum mark will be given a TF (Technical Fail) for this subject.

Penalties for late submission of assessment items:

Penalties apply to all late work, except if special consideration has been granted. Late submissions will attract a penalty of 10% of the assessment mark per day including weekends. Work more than four (4) days late will be awarded a mark of zero.
Supplementary Exams
Supplementary Exams will be dealt with in accordance with student academic consideration policy (http://www.uow.edu.au/handbook/courserules/specialconsideration.html) 6.2 Timing of Supplementary Exams.

While the School normally grants supplementary exams when the student does not sit the standard exam for an acceptable reason, each case will be assessed on its own merit and there is no guarantee a supplementary exam will be granted. If a supplementary exam is granted, you will normally be notified via SOLS Mail the time and date of this supplementary exam. You must follow the instructions given in the email message.

Please note that if this is your last session and you are granted a supplementary exam, be aware that your results will not be processed in time to meet the graduation deadline.

Special Consideration Policy
The School recognises that it has a responsibility to ensure equity and consistency across its subjects for all students. Sometimes, in exceptional circumstances, students need to apply for student special consideration in order to complete all assessable work.

The University applies strict criteria to the granting of special consideration. Before applying for student special consideration, students should carefully read the University’s policy which can be found at: http://www.uow.edu.au/handbook/courserules/specialconsideration.html

As an example: If a student requires an extension of time for the completion of an assignment this may be granted in certain circumstances. A request for an extension must be made to the Subject Coordinator via SOLs before the due date.

Plagiarism
When you submit an assessment task, you are declaring the following
1. It is your own work and you did not collaborate with or copy from others.
2. You have read and understand your responsibilities under the University of Wollongong's policy on plagiarism.
3. You have not plagiarised from published work (including the internet). Where you have used the work from others, you have referenced it in the text and provided a reference list at the end of the assignment.

Students must remember that:
   Plagiarism will not be tolerated.

   Students are responsible for submitting original work for assessment, without plagiarising or cheating, abiding by the University’s policies on Plagiarism as set out in the University Handbook under University Policy Directory and in Faculty handbooks and subject guides. Plagiarism has led to the expulsion from the University.

Student Academic Grievance Policy
The School aims to provide a fair, equitable and productive learning environment for all its students. The Student Academic Grievance Policy seeks to support the achievement of this goal by providing a transparent and consistent process for resolving student academic grievances.

Any student who has a grievance over a result should obtain a Faculty of Informatics Appeal Against Decision or Action Affecting Academic Experience form from the Informatics Student Enquiry Centre. (http://www.uow.edu.au/content/groups/public/@web/@inf/@faculty/documents/doc/uow017433.pdf)
The student should firstly take the form to the marker/lecturer to discuss the matter and, if the student is still not satisfied, s/he should take the next step as outlined on the form.

Once the grievance has been considered by the Faculty, if the student still feels the situation has not been fully resolved s/he may consult the Dean of Students. However, the Dean of Students can have no input into the academic judgment of the lecturer and can only review the grievance to ensure proper procedure has been followed.
This subject outline can be found at: http://www.uow.edu.au/informatics/common/UOW030689.html

Relevant University Policies, procedures and students services:
For more information students must refer to the Faculty handbook, online references or consult the UOW policy in full at http://www.uow.edu.au/handbook/courserules/studacgrievpol.html which contains a range of policies on educational issues and student matters.

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<tr>
<th>This outline should be read in conjunction with the following documents:</th>
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<tr>
<td><strong>Course Progress Policy:</strong>&lt;br&gt;<a href="http://www.uow.edu.au/student/mrp/index.html">http://www.uow.edu.au/student/mrp/index.html</a></td>
<td><strong>Graduate Qualities Policy:</strong>&lt;br&gt;<a href="http://www.uow.edu.au/about/teaching/qualities/index.html#_The_new_UOW">http://www.uow.edu.au/about/teaching/qualities/index.html#_The_new_UOW</a></td>
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<tr>
<td><strong>Information Literacies Introduction Program</strong>&lt;br&gt;<a href="http://www.uow.edu.au/student/attributes/ilip/">http://www.uow.edu.au/student/attributes/ilip/</a></td>
<td><strong>Informatics Faculty Librarian, Ms Annette Meldrum, phone:</strong>&lt;br&gt;4221 4637, email: <a href="mailto:ameldrum@uow.edu.au">ameldrum@uow.edu.au</a></td>
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<tr>
<td><strong>Student Support Services:</strong>&lt;br&gt;<a href="http://www.uow.edu.au/student/services/">http://www.uow.edu.au/student/services/</a>&lt;br&gt;Informatics Faculty SEDLO (Student Equity and Diversity Liaison Officers) Virginie Schmelitschek, phone 4221 3833, <a href="mailto:virginie@uow.edu.au">virginie@uow.edu.au</a></td>
<td><strong>SCSSE SISAT Internet Access &amp; Student Resource Centre</strong>&lt;br&gt;<a href="http://www.uow.edu.au/informatics/sisat/current/uow024466.html">http://www.uow.edu.au/informatics/sisat/current/uow024466.html</a></td>
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