GENERAL INFORMATION

Subject Coordinator
Dr Glenn Bewsell
Telephone Number: 4221 5683
Email: gbewsell@uow.edu.au
Location: 39.226

Dr Bewsell’s consultation times during session:
Day: Time
Monday 10:00am – 12:00pm
Tuesday 12:30pm – 2:30pm

Lecturer
Mr Will Tibben
Telephone Number: 4221 3768
Email: wjt@uow.edu.au
Location: 39.110

Mr Tibben’s consultation times during session:
Day: Time
Tuesday 15.30-17.30
Friday 15.30-17.30

Subject Organisation
Session: Spring Session, Wollongong Campus
Credit Points: 6 credit points
Contact hours per week: 2 hours lectures, 1 hours tutorial
Lecture Times & Location: Monday, 12.30-14.30 in 20-LT3 for first hour then 20.LT2
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
The aim of the subject is to provide students with an introduction to the technologies and regulatory structures which constitute the modern telecommunications system. Under regulatory components, the variety of telecommunications services and related regulatory concepts and structures are discussed. Under technological components, the following issues are dealt with: telecommunications standards; new network services; and basic components of the telecommunications system such as the public switched network, the radio frequency spectrum, mobile telephony and satellites.
Objectives
A student who successfully completes this subject should be able to:
(i) explain the basic components of the modern telecommunications system;
(ii) describe the fundamental technological and regulatory aspects of the modern telecommunications system;
(iii) discuss some of the current social, economic and political issues surrounding telecommunications and its regulation;

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.

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

The subject will be presented as a series of lectures and tutorials, supported by activities and resources on eLearning. The lectures will cover content for both ISIT105 and IACT202. However, separate tutorials will be conducted for each of these two subjects. Students must ensure that they enroll in the correct tutorial i.e. you must enroll in an ISIT105 tutorial if you are doing ISIT105.

There is no tutorial in the first week. The week 2 tutorials will bring students together to get familiar with others and form groups. The primary objective of tutorials is to clarify, consolidate and extend your understanding of lecture material.

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

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Reading (Textbook)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction to Subject</td>
<td>No reading</td>
</tr>
<tr>
<td>2 - 5</td>
<td>Communications Fundamentals &amp; Regulation</td>
<td>Chs 1, 2, 3 &amp; 4</td>
</tr>
<tr>
<td>6 – 9</td>
<td>Data Networking and the Internet</td>
<td>Chs 5, 6, 7 &amp; 8</td>
</tr>
<tr>
<td>10 – 11</td>
<td>Telecommunications in Society &amp; New Generation of Networks</td>
<td>Chs 10 &amp; 12</td>
</tr>
<tr>
<td>12</td>
<td>Wireless</td>
<td>Ch 13</td>
</tr>
<tr>
<td>13</td>
<td>Review Week</td>
<td></td>
</tr>
</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

Textbook(s):
Assessment:
ISIT105 has the following assessment components. (NOTE: This is NOT the assessment for IACT202)

<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>Major Project Report</td>
<td>20%</td>
<td>Group</td>
<td>Electronically via eLearning by 6:00p.m. Friday 10 October (Week 11). (Hard Copy during tutorial in Week 12)</td>
</tr>
<tr>
<td>Seminar Presentation</td>
<td>20%</td>
<td>Individual</td>
<td>During tutorial - Week TBA</td>
</tr>
<tr>
<td>Online Quizzes</td>
<td>10%</td>
<td>Individual</td>
<td>Quizzes on UOW e-Learning space in Weeks (TBA). Each quiz will go offline at 6:00p.m. Friday on the week listed.</td>
</tr>
<tr>
<td>Exam</td>
<td>50%</td>
<td>Individual</td>
<td>Examination Period</td>
</tr>
</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.

- The Major Project Report is to be submitted electronically to eLearning by 6:00 p.m. 10 October. The hard copy of the Major Project Report is to be submitted during your tutorial in Week 12
- Online Quizzes must be completed via eLearning by 6.00 pm on Friday of the week they are due
- All other assignments are to be submitted during your tutorial.

1. Major Project Report:
Each tutorial class will divide into workgroups of up to four (4) students each. Each group is to design a network or communications solution for a small business or home office. Details of the business requirements will be provided during tutorials in weeks 2 or 3. The format of the solution will be explained during subsequent tutorials. Students may use some of the tutorial time each week to meet with their group members to work on the project. The final Project Report is due electronically by 6:00p.m. Friday 10 October 2008. The principle criteria used in assessing the quality of your solution will be the quality of your solution and its suitability for the business’s needs, and the presentation/structure of the Project Report. Details of the business requirements, the Report format and the marking criteria will be made available on UOW e-Learning space. This assignment is worth 20% of the final mark.

2. Individual Seminar Presentation:
Each student will be required to research a specific communications or networking technology and to prepare a presentation on that technology. Each student will be given a different technology and technologies will be randomly allocated during the week 2 tutorial. The technologies are already in an ordered list and students will be required to do their presentation in the week allocated to their technology. Consequently, students may not swap technologies or dates for doing their presentation. Presentations should be of between 10 and 15 minutes duration and students will be expected to answer questions about their allocated technology. The principle criteria used to assess the seminar are your skills in oral and visual presentation as well as the information imparted on that topic. This assessment is worth 20% of your final mark.

3. Online Quizzes – There will be five (5) online quizzes on UOW e-Learning space. Quizzes will be based on lecture material AND on the allocated reading for each respective fortnight. The quizzes are worth 10% of your final mark. Each quiz will go offline at 6:00pm Friday on the week listed and will not be re-opened.

Electronic Submission of Assessment Items:
Unless otherwise notified by the subject coordinator, all written assignments must be submitted electronically.

Electronic Submissions to eLearning require the following declaration:
I declare that this assignment is original and has not been submitted for assessment elsewhere, and acknowledge that the assessor of this assignment may, for the purpose of assessing this assignment:
Reproduce this assignment/ and provide a copy to another member of faculty; and/or Communicate a copy of this assignment to a plagiarism checking service (which may then retain a copy of this assignment on its database for the purpose of future plagiarism checking.

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 with a School Cover Sheet in the tutorial following electronic submission.

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

Procedures for the return of assessment items:
Assignments will be returned within 2 weeks of their submission

Assignments will be returned to students in tutorials. From Week 13, assignments can be collected from Subject Coordinator;

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 5% of the assessment mark per day including weekends. Work more than seven (7) days late will be awarded a mark of zero.

Seminar Presentation – students who do not complete their seminar at the allocated time will be awarded a zero mark, unless they have applied for and been granted special consideration.

Online Quizzes – students who do not complete an online quiz by the submission date will score zero unless they have applied for and been granted special consideration.

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.
### 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](http://www.uow.edu.au/handbook/courserules/studacgrievpol.html) which contains a range of policies on educational issues and student matters.

This outline should be read in conjunction with the following documents:

<table>
<thead>
<tr>
<th>Code of Practice - Teaching and Assessment</th>
<th>Code of Practice - Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code of Practice-Honours</td>
<td>Acknowledgement Practice Plagiarism will not be tolerated:</td>
</tr>
<tr>
<td>Key Dates</td>
<td>Special Consideration Policy:</td>
</tr>
<tr>
<td>Course Progress Policy:</td>
<td>Graduate Qualities Policy:</td>
</tr>
<tr>
<td>Academic Grievance Policy (Coursework and honours students)</td>
<td>Non-Discriminatory Language Practice and Presentation</td>
</tr>
<tr>
<td>Occupational Health and Safety</td>
<td>Intellectual Property Policy</td>
</tr>
<tr>
<td>Human Research Ethics:</td>
<td>Rules for student conduct and discipline:</td>
</tr>
<tr>
<td>Information Literacies Introduction Program</td>
<td>Informatics Faculty Librarian, Ms Annette Meldrum, phone: 4221 4637, email: <a href="mailto:ameldrum@uow.edu.au">ameldrum@uow.edu.au</a></td>
</tr>
<tr>
<td>Student Support Services:</td>
<td>SCSSE SISAT Internet Access &amp; Student Resource Centre</td>
</tr>
<tr>
<td>SCSSE SISAT Computer Usage Rules</td>
<td>SCSSE SISAT Subject Outlines</td>
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