
SISAT

**School of Information Systems & Technology
Faculty of Informatics**

**ITCS301 Exploiting Collaborative Technologies
Subject Outline
Spring Session 2009**

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

GENERAL INFORMATION

Subject Coordinator

Telephone Number:

Email:

Location:

Dr Ping Yu

4221 5412

ping@uow.edu.au

39.111

Dr Ping's consultation times during session:

Day

Monday

Tuesday

Time

2 pm – 4 pm

10 am – 12 pm

Subject Organisation

Session:

Credit Points

Contact hours per week:

Lecture Times & Location:

Tutorial Day, Time and Location can be found at:

Spring Session, Wollongong Campus

6 credit points

1hr lectures, 2hrs lab, 1hr tut

Monday 10:30 AM – 11:30 AM 1-G03

<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/>. Any information posted to the web site is deemed to have been notified to all students.

Subject Description

Students learn how to practically exploit Collaborative Technologies within eBusiness contexts. The concepts of Collaboration and the details of Collaborative Technologies will be investigated and explained from different eBusiness perspectives including the eBusiness Solutions perspective and the Patterns for eBusiness perspective. Examples of focus will include collaborative tools and techniques to support Knowledge Management and to support eLearning within an eBusiness solutions framework. Collaboration patterns will include modern variants of traditional categories including contextual (asynchronous) collaboration and interactive (synchronous) collaboration. Includes a practical focus ie a laboratory component that explores working with advanced collaborative applications including (for example) QuickPlace, Virtual Classroom, .NET and various extensions to the J2EE (Java 2 Enterprise Edition) platform. The subject will exploit collaborative team approaches to practical assignments.

Subject Objectives

On successful completion of this subject, students should be able to:

1. Explain Collaboration and Collaborative Technologies (both in terms of what they are and how they
-

are relevant) in the context of eBusiness.

2. Describe at an overview level the pattern-oriented approach to collaboration in eBusiness;
3. Describe a range of collaborative techniques and demonstrate practical familiarity with contexts that implement those techniques;
4. Practically exploit Collaborative Technologies to support eBusiness solutions, e.g., solutions for Knowledge Management and eLearning;
5. Practically exploit collaborative extensions to J2EE.

Graduate Qualities

This subject will continue to the following graduate qualities:

- Informed
- Problem solvers
- Effective communicators
- Teamwork

Further information can be found at:

<http://www.uow.edu.au/informatics/sisat/current/SubjectInformation/UOW051055.html>

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 by the University, to be attendance at approximately 80% of the allocated contact hours.

Attendance rolls will be kept for tutorials and laboratories. If you are present for less than 80% and would have otherwise passed you need to apply for student academic consideration, otherwise a TF (technical fail) grade will be recorded.

Students **MUST** attend their **allocated** tutorial and laboratory 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.

There is a one hour lecture, a two hour computer lab and a one hour tutorial session in each week. The lab session will introduce the practical collaborative technologies widely adopted by the current IT industry. The students are required to conduct hands-on programming practice using the designated programming language.

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

| Week | Topic | Reading |
|------|--|---------|
| 1 | • Introduction, solutions for a digital economy | |
| 2 | • Patterns for e-business and business patterns | |
| 3 | • Computer Supported Cooperative Work • Application patterns for collaboration | |
| 4 | • Cooperative Management of Enterprise Networks | |
| 5 | • Methodology for Building Collaborative Solutions • Quality Assurance for collaborative solutions | |
| 6 | • Requirement Elicitation and Analysis • Enabling technologies for collaboration | |
| 7 | • System analysis and design for building collaborative solutions • Strategies for collaboration in a inter-dependent world | |
| 8 | • Organisational culture and collaboration | |
| 9 | • Evaluation of collaborative technologies | |
| 10 | • The effects of collaborative technology in work groups | |
| 11 | • Factors determining the adoption of collaborative technologies | |
| 12 | Effects of relationalism and readiness on collaboration and outcomes | |
| 13 | Subject review | |

Changes to the above schedule will be posted via e-Learning space <http://www.uow.edu.au/student/>. 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):

There is no required text for this subject.

Other Resources:

The reference book for the subject:

- Jonathan Adams, Srinivas Koushik, Guru Vasudeva and George Calambos, "Patterns for e-business: A strategy for reuse", 2001, IBM Press
- Bjorn Erik Munkvold, "Implementing collaboration technologies in industry: case examples and lessons learned", 2003, Springer-Verlag.
- Pradeep Ray, "Cooperative Management of Enterprise Networks", 2000, Kluwer Academic Publishers.
- Michelle W. L. Fong, "E-Collaborations and Virtual Organizations", 2004, IRM Press.

These books are only relevant to the first several lectures. Students should check the subject's Web site regularly for additional references. Students are encouraged to use the library catalogue and databases to locate additional readings, particularly for reference material for the research essay.

Assessment:

This subject has the following assessment components.

| ASSESSMENT ITEMS & FORMAT | % OF FINAL | GROUP/ INDIVIDUAL | DUE DATE |
|---------------------------------------|------------|-------------------|---|
| Individual research report 2500 words | 20% | Individual work | Due in Week 6. Hard copy submitted in tutorial. Softcopy uploaded on e-learning space by 5 pm on Monday, 31 st August. |
| Tutorial Exercises | 10% | Individual work | Weekly. Completed during tutorial. |
| Laboratory Exercises | 10% | Individual work | Weekly. Completed in lab. |
| Group report | 20% | Group work | Due in week 12. Hard copy submitted in tutorial. Softcopy uploaded on e-learning space by 5 pm on Monday, 19 th October. |
| Examination | 40% | Individual work | Examination period |

Notes on Assessment:

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

- Detailed descriptions about the assignment and assessment methods will be announced in the e-Learning space. It is the students' responsibility to find out this information.

Electronic Submission of Assessment Items:

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

Submission of assessment items via email will not be accepted.

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 during tutorials.

To be eligible for a Pass in this subject a student must achieve a mark of at least 50% in the final examination. Students who fail to achieve this minimum mark & would have otherwise passed 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 student academic consideration has been granted. Late submissions will attract a penalty of 10% per day of the assessment mark. This amount is per day including weekends.

Work more than seven (7) days late will be awarded a mark of zero.

Procedures for the return of assessment items:**Tutorial/Lab Closure Policy**

If for any reason, the number of students in a tutorial or lab falls below a sustainable enrolment level, as determined by the Head of School, tutorials/labs offered for that subject may be collapsed or deleted. You will have to attend the new tutorials/lab if this closure affects the one you are attending.

We will endeavour to make this decision no later than Week 4 of session.

Supplementary Exams

Supplementary Exams will be dealt with in accordance with student academic consideration policy (<http://www.uow.edu.au/about/policy/studentacademicconsiderationpolicy.pdf>) 9.2 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.

Student Academic 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 academic consideration in order to complete all assessable work.

The University applies strict criteria to the granting of student academic consideration. Before applying for student academic consideration, students should carefully read the University's policy which can be found at: <http://www.uow.edu.au/about/policy/studentacademicconsiderationpolicy.pdf>.

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> which contains a range of policies on educational issues and student matters.

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

| | |
|--|---|
| Code of Practice - Teaching and Assessment http://www.uow.edu.au/handbook/codesofprac/teaching_code.pdf | Code of Practice - Students http://www.uow.edu.au/handbook/codesofprac/cop_students.html |
| Code of Practice-Honours http://www.uow.edu.au/handbook/CodeofPractice-Honours.pdf | Acknowledgement Practice Plagiarism will not be tolerated: http://www.uow.edu.au/handbook/courserules/plagiarism.html |
| Key Dates http://www.uow.edu.au/student/dates.html | Student Academic Consideration Policy: http://www.uow.edu.au/about/policy/studentacademicconsiderationpolicy.pdf |
| Course Progress Requirements: http://www.uow.edu.au/student/mrp/index.html | Graduate Qualities Policy: http://www.uow.edu.au/about/teaching/qualities/index.html#_The_new_UOW |
| Academic Grievance Policy (Coursework and Honours students) http://www.uow.edu.au/handbook/courserules/studacgrievpol.html | Non-Discriminatory Language Practice and Presentation http://staff.uow.edu.au/eed/nondiscrimlanguage.html |
| Occupational Health and Safety http://www.uow.edu.au/about/policy/ohs.html | Ownership of Work & Intellectual Property Policy: http://www.uow.edu.au/handbook/generalcourserules/UOW028651.html |
| Human Research Ethics Committee: http://www.uow.edu.au/research/rso/ethics/human/ | Rules for student conduct: http://www.uow.edu.au/handbook/generalrules/StudentConductRules.pdf |
| Independent Learners' Introductory Program http://www.uow.edu.au/student/attributes/ilip/ | Informatics Faculty Librarian, Ms Annette Meldrum, phone: 4221 4637, email: ameldrum@uow.edu.au |
| Student Support Services: http://www.uow.edu.au/student/services/ Informatics Faculty SEDLO (Student Equity and Diversity Liaison Officers) Virginie Schmelitschek, phone 4221 3833, virginie@uow.edu.au | SISAT Internet Access & Student Resource Centre http://www.uow.edu.au/informatics/sisat/current/uow024466.html |
| SISAT Computer Usage Rules http://www.uow.edu.au/informatics/sisat/current/uow024457.html | SISAT Subject Outlines http://www.uow.edu.au/informatics/sisat/current/UOW055502.html |