
SISAT

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

**ISIT410 IT-Enabled Supply Chain Management
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:	Byron Keating 4221 5315
Email:	bkeating@uow.edu.au
Location:	39.206A

Dr Byron Keating's consultation times during session:

Day	Time
Thursday	12.30pm – 2.30pm
Friday	2.30pm – 4.30pm

Subject Organisation

Session:	Spring Session, Wollongong Campus
Credit Points	6 credit points
Contact hours per week:	1 hour lectures, 2 hours lab/tut
Lecture Times & Location:	Friday 13:30 – 14:30 PM 20-LT5
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/>. Any information posted to the web site is deemed to have been notified to all students.

Subject Description

Information technology (IT) enabled supply chains are transforming the modern business landscape. Lectures in this subject will show how IT is being used to create and support operational and strategic supply chain advantages. Laboratory activities will provide hands-on knowledge of the application of enterprise software (e.g., SAP), freight audit and payment software and how radio frequency identification (RFID) is being applied in supply chains around globe.

Subject Objectives

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

1. Develop an awareness of the operational and strategic role of information in supporting the modern supply chain.
 2. Understand the impact of information technology on the competitive success and profitability of supply chain operations.
 3. Understand and describe information reporting functions in enterprise software as they apply to functional areas such as: sourcing, inventory management, and production planning and control, and distribution.
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4. Analyse the data collection benefits and challenges of RFID technology.

Graduate Qualities

This subject will continue to the following graduate qualities:

- Informed
- Independent learners
- Problem solvers
- Effective communicators
- Responsible
- Teamwork
- Innovation and Design

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 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:

Week	Topic	Reading
1	Introduction to SCM	No Tutorial/reading
2	Strategic nature of IS/IT	Carr (2003) "IT Doesn't Matter", <i>Harvard Business Review</i> , May 5-12.
3	Aligning IS/IT with the supply chain	Porter M.E. (2001) "Strategy and the Internet" <i>Harvard Business Review</i> , March edition.
4	Creating a business case	Coltman et al. (2000) "E-Business: Revolution, Evolution or Hype?" <i>California Management Review</i> , 44(1):57-85.
5	Assessing the status quo	Andel-Ancion et al (2003) "Digital Transformation of Traditional Business" <i>MIT Sloan Management Review</i> , Summer, 34:41.
6	Measuring the ROI	Davenport T. (2005) "The Coming Commoditization of Processes" <i>Harvard Business Review</i> (July) 101-108.
7	Enterprise resource planning (ERP)	Green (2001) "Managing the Unmanageable: Integrating the Supply Chain with New Developments in Software" <i>Supply Chain Management</i>
8	Industry insight: SAP	No tutorial/reading.
9	Managing supply chain relationships	Keskinocak and Tayur (2001) "Quantitative Analysis for Internet-Enabled Supply Chains" <i>Interfaces</i> 31(2):70-89.
10	Emerging supply chain technologies	Michael K and L McCathie (2005) "The Pros and Cons of RFID in Supply Chain Management" <i>International Conference on Mobile Business</i>
11	Industry insight: RFID	RFID Lab
12	Executing an IS/IT strategy	Markus L.M. (2004) "Technochange Management: Using IT to Drive Organizational Change" <i>Journal of Information Technology</i> , 19:3-19.
13	Examination overview	No tutorial/reading

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 compulsory text for this subject. However, students unfamiliar with basic information management theory and application should consult one of the many texts available in the library. Examples are provided below.

Applegate, Austin and McFarlan (2003) *Corporate Information Strategy and Management* McGraw-Hill Irwin, Boston.

Laudon, K, Laudon J, *Management Information Systems: Managing the Digital Firm* (9th Edition, Prentice hall (ISBN: 0131538411)

Galliers, R D, Leidner, D E, *Strategic Information Management: Challenges and Strategies in Managing Information Systems*, 3rd Edition, Butterworth-Heinemann, (ISBN: 0750656190).

Grembergen, W V, *Information technology Evaluation Methods and Management*, 2nd Edition, Nelsons (ISBN: 0324202547)

Other Resources:

All tutorial readings are available online, see eLearning. Further, the eLearning site will also contain two book chapters that represent required reading for Assessment task 1.

Assessment:

This subject has the following assessment components.

ASSESSMENT ITEMS & FORMAT	% OF FINAL MARK	GROUP/ INDIVIDUAL	DUE DATE
RFID Project Proposal	30%	Group	Week 9
Tutorial Participation	10%	Individual	Weeks 2-12
Paper presentation	10%	Group	Weeks 2-12
Final Examination	50%	Individual	Exam Period

Notes on Assessment:

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

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.

Detailed Instructions for each Assessment:

Assessment 1:	RFID Project Proposal
Marking criteria:	Marks will be allocated based on your ability to develop a sound business case for RFID adoption; See "Assessment Guide" in eLearning for further details
Length:	10 - 20 pages
Weighting:	30%
Due date:	Week 9. Hard copy to be handed in the allocated tutorial, softcopy by 9am Monday Week 9.
Other:	Student groups (3-4 students per group) are to prepare a business case for a specified RFID implementation. Each group will assess initial feasibility; gather data on stakeholder needs; identify possible combinations of technology solutions and their cost. A report should be produced for senior management approval.

Assessment 2:	Tutorial Participation
Topic:	Assigned weekly readings
Marking criteria:	Students will be required to prepare and actively participate in weekly tutorials and labs. See "Assessment Guide" in eLearning for further details
Length:	Various
Weighting:	10%
Due date:	Tutorial materials and presentation dates will be discussed during the first tutorial.
Other:	The participation marks will relate to the students progress with the SAP activities, and their general involvement in tutorial discussions. Students will receive a mid-semester progress result in week 6 relating to their tutorial participation.

Assessment 3:	Paper Presentation
Topic:	Assigned weekly readings
Marking criteria:	Students will be required to present one of the tutorial readings to the class and lead a discussion on the key issues. See "Assessment Guide" in eLearning for further details
Length:	Various
Weighting:	10%

Due date:	Tutorial materials and presentation dates will be discussed during the first tutorial.
Other:	Student groups (3-4 students per group) will be allocated to present from one of the assigned readings. Each student group should prepare a 15 - 20 minute presentation for the class that emphasizes what each group has learned and/or found interesting in the article.

Assessment 4:	Final Examination
Weighting	50%
Date	The final examination will be held within the period (start - finish). The date, time and location will be confirmed during the course of the subject and published on SOLS 3 to 4 weeks before the examination period.
Time allowed	3 hours
Structure of paper	The final exam will comprise multiple choice, short answer questions and a case study. The multiple-choice questions will test for knowledge, comprehension, and application of terms, concepts, and facts. In addition to the testing for knowledge, the short answer questions will be concerned with your ability to analyze and evaluate the various approaches to IT enabled supply chain management. A short case study will examine your ability to apply these principles to the real world.

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 must be accompanied by a signed SISAT cover sheet.

Procedures for the return of assessment items:

All assignments will be returned to students in tutorials within 2 weeks of their submission.

Students must complete all assessment tasks. Failure to submit an assessment will result in a technical fail (TF) grade being awarded.

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 25% of the assessment mark.

Work more than (4) days late will be awarded a mark of zero.

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