

32040 Industry Project

Course area	UTS: Information Technology
Delivery	Spring 2017; City
Credit points	6cp
Requisite(s)	32144 Technology Research Preparation
Result type	Grade and marks

Recommended studies: Systems design, requirements gathering, project planning, networking, report writing, presentations, working in teams.

Subject coordinator

Rene Leveaux

Room: 11.6.210

Email: rene.leveaux@uts.edu.au

Phone: 9514.1958

The Subject Coordinator may be contacted by email or phone if you have matters of a personal nature to discuss, e.g., illness, study problems, team problems, team re-assignment, or a request for an appointment outside the given consultation hours. All emails must bear a meaningful description in the 'Subject' box at the top of the email, beginning with the subject number: e.g., 32040 team problems, 32040 request for late submission due to illness, etc.

Generally questions regarding assessment and the subject should be raised in the lectures or tutorials. This ensures that all students get the benefit of the information given. Emails that are considered better answered in class may be responded to in class rather than by return email.

Teaching staff

Lecturer and Tutor:

Rene Leveaux (details above)

Option A Students:

Students who wish to undertake a project based in their workplace or have an industry based project of sufficient rigor are required to seek Faculty approval via the subject coordinator prior to the commencement of week 2.

Option A students in industry are required to have a suitable industry based supervisor for their project.

Option A students not in industry are required to source and have a suitably experienced UTS academic supervisor.

The coordination of all Option A students will be managed by the subject coordinator.

Option B Students:

Option B student will be supervised by either the subject coordinator / lecturer or one of the following tutors:

Ian.Davies (Email: ian.davies@uts.edu.au)

David Ty (Email: david.ty@uts.edu.au)

Kimberly.Blackerby (Email: kimberly.blackerby@uts.edu.au)

Nick Stonefield (Email: nicholas.stonefield@uts.edu.au)

Colin Lynch (Email: colin.lynch@uts.edu.au)

Subject description

This subject deals with issues involved in strategic level analysis and design in a corporate information systems environment. Through a major case study, it reinforces material previously studied, while giving groups of students scope to use their own judgement in applying their knowledge. It stresses the development and assessment of alternative approaches to a system strategy. Senior management and communication skills are also developed.

Subject learning objectives (SLOs)

Upon successful completion of this subject students should be able to:

1. Conceptualise, design, and undertake research on an industry based problem or scenario.
2. Engage in decision making in areas of uncertainty and clearly communicate contributions to practical situations.
3. Identify and present systematically, the requirements for an information system in a medium to large and complex organisation.
4. Develop an appropriate systems solution, assess its impact on the organisation and make management recommendations.
5. Design and implement a strategy for introducing change to a corporate information system.

Course intended learning outcomes (CILOs)

This subject also contributes specifically to the development of the following Course Intended Learning Outcomes (CILOs):

- Identify, interpret and analyse stakeholder needs. (A.1)
- Design components, systems and/ or processes to meet required specification (B.2)
- Demonstrate research skills (B.6)
- Communicate effectively in ways appropriate to the discipline, audience and purpose. (E.1)
- Work as an effective member or leader of diverse teams within a multi-level, multi-disciplinary and multi-cultural setting (E.2)

Teaching and learning strategies

This is a capstone subject that is comprised of tutorials and group meetings.

Initial classes articulate subject organisation, requirements and direction. These are followed by weekly teamwork tutorials/meetings. Each week these provide students with verbal feedback from their tutors, so as to gauge their progress and gain ideas for future direction.

Students access UTSONline to view videos, reference materials and communication tools. By accessing UTSONline, students are informed in a wide range of material, from how to form their groups to how to prepare and develop their assessment tasks.

Being a capstone project, this online learning is then used as reference materials for use with tutorial and group meetings, where students are required to work collaboratively as a project team. They are guided and encouraged to have their own team meetings and thereby further develop the project. Students are encouraged to use collaborative technologies outside face-to-face meetings.

Content (topics)

1. Case study background
2. Advanced report writing
3. Presentation techniques
4. Group dynamics
5. High-level design concept

Program

Week/Session	Dates	Description
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Prior to attending first lecture next week:

Watch the following videos which are available on UTS Online under Subject Orientation:

- a. Learning Future at UTS - New Learning Environment
- b. Subject Welcome
- c. Forming Teams
- d. Steve Jobs video on Teams , Teamwork and Trust

Discussion on assignments, deliverables, and subject and tutorial management.

Option A Students:

Confirmation of industry project - both individual and team.

Role of Industry supervisor and UTS academic supervisor

Option B Students:

Case Study Introduction

Formation of teams and confirmation of teams already established for this semester.

Notes:**For next week:****Option A Students:**

Establish meetings with industry supervisor.

Project Registrations due for Option A students << NOTE

Option B Students:

- a. Watch the Project Kick Off Meetings videos on UTS Online
- b. Do the Individual SWOT exercise and bring it to next week's kick off meeting

Team nominations **MUST** be submitted by **noon, Thursday 3 August**.

Send nominations via email to the subject coordinator **rene.leveaux@uts.edu.au**
Students not in a nominated team will be put into a team with other un-nominated student for next week's tutorials.

Meetings with industry supervisor, as per plan. No UTS class.

Option B Students:

Confirmation of **all** teams and allocations of teams to tutors. Students who have not joined a team will be allocated into a team.

First tutorial meetings with client (tutor) - **Project kick off meeting with Tutor.**

Review individual SWOTs and produce a team SWOT as part of meeting.

4	14 Aug	Students undertake project work under supervisor or tutor direction
5	21 Aug	Students undertake project work under supervisor or tutor direction
6	28 Aug	Students undertake project work under supervisor or tutor direction
7	4 Sept	Students undertake project work under supervision or tutor direction
	11 Sept	StuVac - No Classes or tutorials
8	18 Sept	Students undertake project work under supervisor or tutor direction
9	25 Sept	Students undertake project work under supervisor or tutor direction
10	2 Oct	Public Holiday - No class / tutorial
		Notes: Arrangements may be made with tutor to arrange alternate meeting time and location
11	9 Oct	Assignment 1 due - Submission of final reports as per instructions on the assignment sheet - Both Option A and Option B students
		Notes: No extensions will be given for the submission of reports. Late penalties may be applied after the submission day and time.
12	16 Oct	Assignment 2 - Oral Presentation as per instructions on the assignment sheet - Both Option A and Option B students
		Notes: No changes to set presentation times for Assignment 2 (Both Option A and Option B students). Attendance for all team members for a team presentation is mandatory.
	23 Oct	StuVac - No classes or tutorials

Additional information

Student Attendance: The Faculty of Engineering and Information Technology expects that students will attend all scheduled sessions for a subject in which they are enrolled.

Academic Integrity: Students are reminded of the principles laid down in the *Statement of Academic Integrity - Good Practice and Ethics in Informal Assessment* found at http://wiki.it.uts.au/start/Academic_Integrity.

The University's rules regarding academic misconduct can be found at: www.gsu.uts.edu.au/rules/16-2.html

Assessment

This subject will assess students through a major assignment - Assessment 1: Final Report (80%) and Assessment 2: Presentation (Assessment 2) (20%). There are two options for the assessment:

Option A: Students will undertake the assessment individually under academic and in some cases industry supervision.

Option B: Students will undertake the assessment in a group under the supervision of a tutor

For the group assessment components in this subject, students will be assessed as a team, where each member of the team will normally receive the same mark. If you have trouble with the operation of your group, ask the tutor for advice (preferably ask as a group). If some of the group feel that other member(s) are not contributing, the tutor should be informed and a group meeting held to produce a solution. In extreme cases, a group member may be asked by the subject co-ordinator to withdraw from the subject, do extra work or accept a lower mark.

No complaints about group operation regarding an assignment will be considered after the submission of the respective assignment to the Subject Co-ordinator/Lecturer.

At the time of submission of the assignment, student groups may elect to have the group work component of the relevant assignment weighted by the Peer Assessment. Peer Assessment will be submitted by all students in the group with that respective assignment - irrespective of the group electing to have Peer Assessment or not. If the Peer Assessment has been requested as part of the respective assignment, it is to be considered as a mandatory component of the assignment. The weighting via Peer Assessment is allocated by all other members of a group. Weighting of the assignment by Peer Assessment is not mandatory and is determined only by the respective group. A group shall have deemed to have elected to have Peer Assessment weighting for that particular assignment, by the agreement of the majority of all members of the group.

Late assignment submission will be penalised as per the Late Faculty in Assessment:faculty procedures and advice section of this document.

Student feedback prior to the census date may be obtained via consultation with the student or student group. Formative feedback may be obtained from the subjects coordinator after the release of marks following the submission of the report.

Assessment task 1: Industry Report

Intent: This item assesses a student's ability to produce a suitable report based on an industry based problem or scenario in an industry team environment.

Option A - assesses an individual student's competence in understanding an industry based problem or formulating a suitable project to address this problem.

Option B - assesses the competence of a group of students in understanding an industry based scenario and developing a suitable solution to address this scenario.

Objective(s): This assessment task addresses the following subject learning objectives (SLOs):

1, 2, 3, 4 and 5

This assessment task contributes to the development of the following course intended learning outcomes (CILOs):

A.1, B.2, B.6, E.1 and E.2

Type: Report

Groupwork: Group, group and individually assessed

Weight: 80%

Task: Option A Students - To undertake a substantial industry based project and produce an industry level report which may subsequently have the potential for a conference level publication. Students undertaking a project in industry will also be required to additionally submit an industry supervisor's report to be completed by their industry supervisor.

Option B Teams - To undertake a substantial industry based activity and produce a request for proposal report to address the given industry case study

Length: Option A Students - An industry level report of appropriate length in relation to the project and to be determined in conjunction with the academic supervisor

Option B Teams - An industry level report of approximately 80 to 100 pages (body of report) excluding appendices, reference lists, etc.

Due: Week 11
Reports for both Option A and Option B students are due during this week. Option A - to UTS supervisor AND subject coordinator. Option B - to subject coordinator.
See also Further information.

Criteria linkages:	Criteria	Weight (%)	SLOs	CILOs
	Correctness of identifying stakeholders and correctness and completeness of brief with evaluation of alternatives	30	2, 3, 4, 5	A.1, B.2, B.6
	Demonstrate research skills of design for industry based projects	40	3, 5	B.2, B.6
	Effective time management and independent learning while working as part of a project team	30	1, 2	E.1, E.2

SLOs: subject learning objectives

CILOs: course intended learning outcomes

Further information: Late submission, with no extension granted, will incur a penalty for each student as per Faculty's late penalty policy.

Special consideration for late submission MUST be arranged with the subject coordinator PRIOR to the submission date.

Submission of any components of this assignment required in hard copy submitted in loose leaf form will not be accepted.

Full details of the assessment item(s), including the recognized submission time are

indicated on the assignment sheet.

Relevant / appropriate feedback may be sought from the coordinator / lecturer following the release of final marks.

Assessment task 2: Presentation

Intent: This item assesses a student's oral communication skills and ability to present arguments clearly and concisely to specialist and non-specialist audience

Option A: Students will conduct a presentation based on their industry based project

Option B: Students will conduct a joint subject presentation based on the scenario solution

Objective(s): This assessment task addresses the following subject learning objectives (SLOs):

1, 3 and 4

This assessment task contributes to the development of the following course intended learning outcomes (CILOs):

E.1

Type: Presentation

Groupwork: Group, group and individually assessed

Weight: 20%

Task: **Option A Students:**

Students will be required to do an industry level pitch of their project to a panel which may include the subject coordinator / lecturer and other academic staff. The industry supervisor should be invited to the presentation by the student.

Option B Students:

Each group will be required to do a pitch of their solution to a panel which may include the subjects coordinator / lecturer, other academic staff and industry partners.

The assessment of your presentation will be based on appropriate use of technologies, suitability of your presentation to the scenario presented to you, your team's interaction – with the audience and within the team, approach and attitude in the presentation, the format and layout of your presentation, clarity, dress, and Q & A.

Following the presentation, students will be provided with relevant feedback.

Length: Presentation: Approximately 10 minutes followed by 10 to 15 minutes Q & A

Due: Week 12
Attendance at the team's presentation is mandatory. Failure to attend will result in a zero for any individual in a team failing to attend their team's presentation.
See also Further information.

Criteria	Criteria	Weight (%)	SLOs	CILOs
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Linkages:	Clearly and professionally present the solution based on an industry scenario with correct use of language, ability to express ideas and use of appropriate technologies	100	1, 3, 4	E.1
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SLOs: subject learning objectives
CLOs: course intended learning outcomes

Further information: ***Presentations time slots will be arranged in the weeks leading up to the presentations via UTS Online.***

Use of plagiarism detection software

Assignments may be subject to a review through the turnitin plagiarism checker (<http://www.turnitin.com>)

Moderation of marks

Since several people will be marking assignments, it may be necessary to adjust raw marks to achieve a more uniform standard.

Marks referred to in the above conditions are adjusted marks.

Team marks may also be individualized as per the allocation of Peer Assessment as outlined in Assessment and discussed in the introductory lecture.

Examination material or equipment

There is no formal examination in this subject

Supplementary assessments

No supplementary examination will be given in this Subject. If you miss any piece of assessment through documented illness or misadventure, you should consult with the Subject Coordinator, and in some cases it may be required to lodge a Request for Special Consideration. If required this must be submitted with the appropriate documentation.

Minimum requirements

Students must attain an overall mark of at least 50% to pass the subject.

References

McNurlin, Barbara C., Sprague, Ralph H. [2013]
Information Systems Management 8th Ed
Pearson Education, New Jersey

Gray, Clifford F., Larson, Erik W. [2008]
Project Management The Management Process 4th Ed
McGraw Hill, New York

Guffey, Mary E., Lowey, Dana [2015]
Business Communication 8th Ed
Cengage, Manson USA

Lucas Jr., Henry C, [2005]
Information Technology; Strategic Decision Making for Managers,
Wiley, New Jersey

Pearlson, Ken., Saunders, Carol [2013]
Managing and Using Information Systems, 5th Ed
Wiley, New Jersey

Zobel, Justin [2004]
Writing for Computer Science, 2nd Ed
Springer, London

Other resources

Soft copies of all outlines and assignments may be found at UTSONline: <http://online.uts.edu.au>.

Graduate attribute development

For a full list of the faculty's graduate attributes, refer to the FEIT [Graduate Attributes](#) webpage.

Assessment: faculty procedures and advice

Extensions

When, due to extenuating circumstances, you are unable to submit or present an assessment task on time, please contact your subject coordinator before the assessment task is due to discuss an extension. Extensions may be granted up to a maximum of 5 days (120 hours). In all cases you should have extensions confirmed in writing.

Special Consideration

If you believe your performance in an assessment item or exam has been adversely affected by circumstances beyond your control, such as a serious illness, loss or bereavement, hardship, trauma, or exceptional employment demands, you may be eligible to apply for [Special Consideration](#).

Late Penalty

Work submitted late without an approved extension is subject to a late penalty of 10 per cent of the total available marks deducted per calendar day that the assessment is overdue (e.g. if an assignment is out of 40 marks, and is submitted 36 hours after the deadline without an extension, the student will have eight marks deducted from their awarded mark). Work submitted after five calendar days is not accepted and a mark of zero is awarded.

For some assessment tasks a late penalty may not be appropriate – these are clearly indicated in the subject outline. Such assessments receive a mark of zero if not completed by/on the specified date. Examples include:

- weekly online tests or laboratory work worth a small proportion of the subject mark, or
- online quizzes where answers are released to students on completion, or
- professional assessment tasks, where the intention is to create an authentic assessment that has an absolute submission date, or
- take-home papers that are assessed during a defined time period, or
- pass/fail assessment tasks.

Querying marks/grades and Final Results

If a student disagrees with a mark or a final result awarded by a marker:

- where a student wishes to query a mark, the deadline for a query during teaching weeks is 10 working days from the date of the return of the assessment task to the student
- where a student wishes to query a final examination result, the deadline is 10 working days from the official release of the final subject result.

Further information can be found at [Academic advice](#).

Academic integrity

Work submitted electronically may be subject to similarity detection software. Student work must be submitted in a format able to be assessed by the software (e.g. doc, pdf (text files), rtf, html).

For information about avoiding plagiarism see:

<https://avoidingplagiarism.uts.edu.au>
www.gsu.uts.edu.au/rules/student/section-16.html#r16.2

Academic liaison officer

[Academic liaison officers](#) (ALOs) are academic staff in each faculty who assist students experiencing difficulties in their studies due to: disability and/or an ongoing health condition; carer responsibilities (e.g. being a primary carer for small children or a family member with a disability); and pregnancy.

ALOs are responsible for approving adjustments to assessment arrangements for students in these categories. Students who require adjustments due to disability and/or an ongoing health condition are requested to discuss their

situation with an accessibility consultant at the [Accessibility Service](#) before speaking to the relevant ALO.

The ALO for undergraduate students is:

[Chris Wong](#)

telephone +61 2 9514 4501

The ALO for postgraduate students is:

Associate Professor [Rob Jarman](#)

telephone +61 2 9514 2368

Statement about assessment procedures and advice

This subject outline must be read in conjunction with the policy and procedures for the assessment for coursework subjects, available at: www.gsu.uts.edu.au/policies/assessment-coursework.html

Statement on copyright

Teaching materials and resources provided to you at UTS are protected by [copyright](#). You are not permitted to re-use those for commercial purposes (including in kind benefit or gain) without permission of the copyright owner. Improper or illegal use of teaching materials may lead to prosecution for copyright infringement.

Retention of student work

The University reserves the right to retain the original or one copy of any work executed and/or submitted by a student as part of the course including, but not limited to, drawings, models, designs, plans and specifications, essays, programs, reports and theses, for any of the purposes designated in Student Rule 3.9.2. Such retention is not to affect any copyright or other intellectual property right that may exist in the student's work. Copies of student work may be retained for a period of up to five years for course accreditation purposes. Students are advised to contact their subject coordinator if they do not consent to the University retaining a copy of their work.

Statement on UTS email account

Email from the University to a student will only be sent to the student's UTS email address. Email sent from a student to the University must be sent from the student's UTS email address. University staff will not respond to email from any other email accounts for currently enrolled students.