



MONASH University
Information Technology

FIT2075
Information strategies and systems development

Unit Guide

Semester 2, 2011

The information contained in this unit guide is correct at time of publication. The University has the right to change any of the elements contained in this document at any time.

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FIT2075 Information strategies and systems development - Semester 2, 2011

This unit provides students with an introduction to the key concepts and principles involved in the management of information assets as a key organisational resource. Information assets and the information systems which create and use them are of critical importance to the operations of most modern organisations. The unit examines two main themes: the development and implementation of organisational approaches to the management of its information assets, and organisational approaches to the acquisition and development of information systems. As well as addressing the separate sets of issues specific to each of these themes, it will focus on the interactions between them and their implications for development of an integrated approach to organisational information management.

Mode of Delivery

Caulfield (Day)

Contact Hours

2 hrs lectures/wk, 2 hrs tutorials/wk

Workload

You are expected to spend 12 hours per week on attending classes and carrying out various activities including reading, communication with other students and unit lecturers, and preparation for learning tasks and formal assessments

Unit Relationships

Prerequisites

FIT1036 or FIT1003

Chief Examiner

Mr Martin Atchison

Campus Lecturer

Caulfield

Martin Atchison

Contact hours: Monday 1-5; Tuesday 9-12; Wednesday 10-12

Gail Bourne

Contact hours: By appointment

Tutors

Caulfield

Martin Atchison

Contact hours: Monday 1-5; Tuesday 9-12; Wednesday 10-12

Gail Bourne

Contact hours: By appointment

Dora Constantinidis

Contact hours: By appointment

Academic Overview

Learning Objectives

At the completion of this unit, students will:

- know and understand the business imperatives which drive organisational needs in key areas of information management and information systems acquisition and development;
- know and understand the key principles and contemporary practices in the development and implementation of information management strategies in organisations;
- know and understand the key principles and approaches to the development, acquisition and implementation of IT-based systems in organisations;
- recognise the need and understand the importance of taking an integrated approach to tasks of information management and systems development in organisations;
- be able to analyse needs and specify solutions for a range of organisational information management and systems development problems;
- be able to critically evaluate the relative merits and disadvantages of different information management and systems development strategies for a given situation.

Graduate Attributes

Monash prepares its graduates to be:

1. responsible and effective global citizens who:

- a. engage in an internationalised world
- b. exhibit cross-cultural competence
- c. demonstrate ethical values

critical and creative scholars who:

- a. produce innovative solutions to problems
- b. apply research skills to a range of challenges
- c. communicate perceptively and effectively

Assessment Summary

Examination (3 hours): 60%; In-semester assessment: 40%

Assessment Task	Value	Due Date
Tutorial participation	10%	Weeks 3 - 7, 9 & 10
Systems in action	20%	Week 8
Systems development and information management issues	10%	Week 11
Examination 1	60%	To be advised

Teaching Approach

Lecture and tutorials or problem classes

This teaching and learning approach provides facilitated learning, practical exploration and peer learning.

Feedback

Our feedback to You

Types of feedback you can expect to receive in this unit are:

- Informal feedback on progress in labs/tutes
- Graded assignments with comments

Your feedback to Us

Monash is committed to excellence in education and regularly seeks feedback from students, employers and staff. One of the key formal ways students have to provide feedback is through SETU, Student Evaluation of Teacher and Unit. The University's student evaluation policy requires that every unit is evaluated each year. Students are strongly encouraged to complete the surveys. The feedback is anonymous and provides the Faculty with evidence of aspects that students are satisfied and areas for improvement.

For more information on Monash's educational strategy, and on student evaluations, see:

<http://www.monash.edu.au/about/monash-directions/directions.html>

<http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html>

Previous Student Evaluations of this unit

If you wish to view how previous students rated this unit, please go to

<https://emuapps.monash.edu.au/unitevaluations/index.jsp>

Recommended Resources

Lists of readings on the topics covered in the unit will be provided during the semester

Unit Schedule

Week	Activities	Assessment
0		No formal assessment or activities are undertaken in week 0
1	Introduction to unit and basic concepts	
2	A case study in development and professional responsibility	
3	System development and information strategies - the science/engineering paradigm	Tutorial participation assessed
4	System development and information strategies - the science/engineering paradigm (cont)	Tutorial participation assessed
5	System development and information strategies - systems paradigms	Tutorial participation assessed; Assignment 2 handed out
6	System development and information strategies - systems paradigms (cont)	Tutorial participation assessed
7	Participative development paradigms	Tutorial participation assessed
8	Choosing development and management approaches - factors for consideration	Assignment 2 submissions; Assignment 3 handed out
9	Information as product - types of data, information and knowledge; the problem of semantics and its influence on the work of information professionals	Tutorial participation assessed
10	Information as product - information architectures, web-based information and the role of information professionals	Tutorial participation assessed
11	The development environment re-visited - formalisation, methodologies, standards	Assignment 3 submitted
12	Reflection and bringing it all together: Are there yet more alternatives?	
	SWOT VAC	No formal assessment is undertaken SWOT VAC
	Examination period	LINK to Assessment Policy: http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html

*Unit Schedule details will be maintained and communicated to you via your MUSO (Blackboard or Moodle) learning system.

Assessment Requirements

Assessment Policy

To pass a unit which includes an examination as part of the assessment a student must obtain:

- 40% or more in the unit's examination, and
- 40% or more in the unit's total non-examination assessment, and
- an overall unit mark of 50% or more.

If a student does not achieve 40% or more in the unit examination or the unit non-examination total assessment, and the total mark for the unit is greater than 50% then a mark of no greater than 49-N will be recorded for the unit

Assessment Tasks

Participation

Assessment Item 1 - Tutorial participation: Students will be expected to prepare, participate and present in tutorial discussions throughout the semester. Student performance will be assessed by the tutor with the aid of peer reviews carried out by the students in each tutorial class. Student performance will be assessed in selected tutorials throughout the semester (see unit guide), and the student's mark will be based on their best five results. Tutorial participation will be worth 10% of the student's mark.

• Assessment task 1

Title:

Tutorial participation

Description:

Tutorial participation will be based around the weekly tutorial activities.

Weighting:

10%

Criteria for assessment:

Criteria for assessment will depend on the nature of the work being carried during the tutorial. In general, students will be expected to prepare adequately for the tutorial by reading the material provided in advance, and participating actively in the discussions and other tasks which they are asked to perform. Detailed criteria will be provided to students as appropriate before the tutorial work is done.

Due date:

Weeks 3 - 7, 9 & 10

• Assessment task 2

Title:

Systems in action

Description:

Students working in groups will use a contemporary development paradigm as the basis for examining the issues associated with the development of a large system.

Weighting:

20%

Criteria for assessment:

Assessment Requirements

Criteria for assessment will be based on the level of understanding which students demonstrate of the nature of the development process, the issues confronting a development team and the adequacy of specific development approaches to the case study. A detailed set of assessment criteria and the marking guide will be provided to students with the description of the assignment task. These criteria will include consideration of issues relating to the management of the assignment groups, the performance of each member of the group, and the way in which individual contributions will be assessed in determining their final mark.

Due date:

Week 8

• **Assessment task 3**

Title:

Systems development and information management issues

Description:

Students will participate in a debate on a topic of importance to contemporary systems development and information management practice.

Weighting:

10%

Criteria for assessment:

Criteria for assessment will be based on the level of knowledge and understanding which students demonstrate about development and information management processes, and the issues confronting IT professionals in addressing them. A detailed set of assessment criteria and the marking guide will be provided to students with the detailed description of the assignment task.

Due date:

Week 11

Examinations

• **Examination 1**

Weighting:

60%

Length:

3 hours

Type (open/closed book):

Closed book

Electronic devices allowed in the exam:

None

Assignment submission

It is a University requirement

(<http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-procedures.html>) for students to submit an assignment coversheet for each assessment item. Faculty Assignment coversheets can be found at <http://www.infotech.monash.edu.au/resources/student/forms/>. Please check with your Lecturer on the submission method for your assignment coversheet (e.g. attach a file to the online assignment submission, hand-in a hard copy, or use an online quiz).

Extensions and penalties

Submission must be made by the due date otherwise penalties will be enforced.

You must negotiate any extensions formally with your campus unit leader via the in-semester special consideration process:

<http://www.infotech.monash.edu.au/resources/student/equity/special-consideration.html>.

Returning assignments

Students can expect assignments to be returned within two weeks of the submission date or after receipt, whichever is later

Other Information

Policies

Monash has educational policies, procedures and guidelines, which are designed to ensure that staff and students are aware of the University's academic standards, and to provide advice on how they might uphold them. You can find Monash's Education Policies at:

<http://policy.monash.edu.au/policy-bank/academic/education/index.html>

Key educational policies include:

- Plagiarism
(<http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-policy.html>)
- Assessment
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/assessment-in-coursework-p>)
- Special Consideration
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.h>)
- Grading Scale
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/grading-scale-policy.html>)
- Discipline: Student Policy
(<http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-discipline-policy.html>)
- Academic Calendar and Semesters (<http://www.monash.edu.au/students/key-dates/>);
- Orientation and Transition (<http://www.infotech.monash.edu.au/resources/student/orientation/>);
and
- Academic and Administrative Complaints and Grievances Policy
(<http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy>)
- Codes of Practice for Teaching and Learning
(<http://www.policy.monash.edu.au/policy-bank/academic/education/conduct/suppdocs/code-of-practice-tea>)

Student services

The University provides many different kinds of support services for you. Contact your tutor if you need advice and see the range of services available at www.monash.edu.au/students. The Monash University Library provides a range of services and resources that enable you to save time and be more effective in your learning and research. Go to <http://www.lib.monash.edu.au> or the library tab in my.monash portal for more information. Students who have a disability or medical condition are welcome to contact the Disability Liaison Unit to discuss academic support services. Disability Liaison Officers (DLOs) visit all Victorian campuses on a regular basis

- Website: <http://adm.monash.edu/sss/equity-diversity/disability-liaison/index.html>;
- Telephone: 03 9905 5704 to book an appointment with a DLO;
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus.

READING LIST: