

**FIT2075**  
**Information strategies and systems development**

**Unit Guide**

**Semester 2, 2012**

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.

*Last updated: 09 Jul 2012*

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# **FIT2075 Information strategies and systems development - Semester 2, 2012**

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 classess 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**

Consultation hours: Tuesday 10-2; Wednesday 10-2

## **Tutors**

### **Caulfield**

**Martin Atchison**

Consultation hours: Tuesday 10-2; Wednesday 10-2

# Academic Overview

## Outcomes

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 - 11
Systems development in action	15%	Weeks 7-10
Systems development and information management issues for organizations	15%	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

Previous feedback has highlighted the main strength in this unit as being its extensive use of readings and tutorial discussion to highlight the significance of theory and its relevance to the way issues arise in practice. The unit will aim to continue this approach to require students to read extensively and discuss issues in class.

Student feedback has also informed improvements to this unit including:

- the posting of materials earlier on the web site to enable students to read and prepare for classes earlier;
- the development of clearer specifications for assignment work and expectations of the issues which should be addressed by student work

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	Setting the context: Introduction to unit and recap of relevant material from earlier units	Discussion of requirements for Assignment 1: This assessment relates to tutorial participation and will be assessed weekly from weeks 3 - 11
2	Basic concepts - theory and practice in systems development and information management	Assignment 2: Systems development in action - handed out and is assessed between weeks 7-10
3	System development and information strategies - the science/engineering paradigm	Assessment Task 1: Tutorial participation begins in weeks 3 and concludes in week 11
4	System development and information strategies - the science/engineering paradigm (cont)	
5	System development and information strategies - systems paradigms	Assignment 3: Systems development and information management issues for organizations handed out
6	System development and information strategies - systems paradigms (cont)	
7	Participative development paradigms	Start of Assignment 2 submissions
8	Introduction to information/data management and contemporary issues in organizational information	Assignment 2 submissions
9	Information as product - types of data, information and knowledge; the problem of semantics and its influence on the work of information professionals	Assignment 2 submissions
10	Information as product - information architectures, web-based information and the role of information professionals	Assignment 2 submissions
11	'Big data' - dreams and realities	Assignment 3 due
12	Reflection and bringing it all together: The roles of information professionals	
	SWOT VAC	No formal assessment is undertaken SWOT VAC
	Examination period	LINK to Assessment Policy: <a href="http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html">http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html</a>

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

# Assessment Requirements

## Assessment Policy

Faculty Policy - Unit Assessment Hurdles

([http://www.infotech.monash.edu.au/resources/staff/edgov/policies/assessment-examinations/unit-assessment-hu](http://www.infotech.monash.edu.au/resources/staff/edgov/policies/assessment-examinations/unit-assessment-hurdles)

Academic Integrity - Please see the Demystifying Citing and Referencing tutorial at

<http://lib.monash.edu/tutorials/citing/>

## 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 six 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 - 11

#### • Assessment task 2

**Title:**

Systems development in action

**Description:**

Students will investigate and report on a case study of an aspect of systems development as the basis for understanding the issues associated with the development of large systems to satisfy organizational information needs.

**Weighting:**

15%

**Criteria for assessment:**

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



## Assessment Requirements

students with the description of the assignment task.

**Due date:**

Weeks 7-10

### • Assessment task 3

**Title:**

Systems development and information management issues for organizations

**Description:**

Students will investigate and report on a topic of importance to contemporary systems development and information management practice.

**Weighting:**

15%

**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).

## Online submission

If Electronic Submission has been approved for your unit, please submit your work via the VLE site for this unit, which you can access via links in the my.monash portal.

## **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-policy.html>)
- Special Consideration  
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.html>)
- 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.html>)
- Codes of Practice for Teaching and Learning  
(<http://www.policy.monash.edu.au/policy-bank/academic/education/conduct/suppdocs/code-of-practice-teaching-and-learning.html>)

### 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](http://www.monash.edu.au/students). For Sunway see <http://www.monash.edu.my/Student-services>, and for South Africa see <http://www.monash.ac.za/current/>

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. At Sunway, visit the Library and Learning Commons at <http://www.lib.monash.edu.my/>. At South Africa visit <http://www.lib.monash.ac.za/>.

Academic support services may be available for students who have a disability or medical condition. Registration with the Disability Liaison Unit is required. Further information is available as follows:

- Website: <http://monash.edu/equity-diversity/disability/index.html>;
- Email: [dlu@monash.edu](mailto:dlu@monash.edu)
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Sunway Campus
- Telephone: 03 9905 5704, or contact the Student Advisor, Student Community Services at 03 55146018 at Sunway