



The University of Southern Queensland

## Course specification

This version produced 20 Dec 2007.

The current and official versions of the course specifications are available on the web at  
<<http://www.usq.edu.au/coursespecification/current>>.

Please consult the web for updates that may occur during the year.

### Description: Business Systems Planning and Implementation

Subject	Cat-nbr	Class	Term	Mode	Units	Campus
CIS	8004	66199	2, 2007	ONC	1.00	Toowoomba

<b>Academic group:</b>	FOBUS
<b>Academic org:</b>	FOB005
<b>Student contribution band:</b>	2
<b>ASCED code:</b>	020399

### STAFFING

Examiner: Michael Lane

Moderator: Wui-Gee Tan

### REQUISITES

Pre-requisite: CIS5001

### OTHER REQUISITES

Students are required to have access to a personal computer, e-mail capabilities and Internet access to USQConnect. Current details of computer requirements can be found at <http://www.usq.edu.au/business/aboutfob.htm>

### RATIONALE

Over the past 40 years, but especially in the last decade, the rapid growth of information communication technologies (ICT) has created a new set of managerial challenges which has profoundly affected both how organizations operate and how they compete. The impact of IT has not been confined to large organizations as even very small firms are now being affected. Because the field is changing rapidly, the task for management is not just in handling day-to-day operating problems and assimilating new technologies, but in learning and applying new methods of information systems planning and implementation to meet these new challenges. That is the focus of this course.

### SYNOPSIS

This course examines the total information system planning cycle. It focuses on the management issues concerned with specification of information systems requirements to achieve corporate goals by emphasising the integration of information systems planning into the business planning process. A range of methodologies for deriving information requirements for the various levels of management are examined, including soft systems methodologies and data-oriented and process-oriented approaches. Automated aids, including computer-aided software engineering (CASE) tools, for the planning, development and implementation of information systems are

evaluated. The course also covers user education strategies to facilitate acceptance and utilisation of information technology.

## OBJECTIVES

The course objectives define the student learning outcomes for a course. The assessment item/s that may be used to assess student achievement of an objective is/are shown in parentheses after each objective. On successful completion of this course, students should be able to:

1. comprehend and explain the role of information technology (IT) in the corporate environment (Assignment 1, Assignment 2, Examination)
2. comprehend the important IT concepts and frameworks and use them for effective IT managerial decision making (Assignment 1, Assignment 2, Examination)
3. identify the management issues in IT strategic planning (Assignment 1, Assignment 2, Examination)
4. select and apply various software engineering tools to the information systems (IS) planning cycle (Assignment 1, Assignment 2, Examination)
5. choose and apply an appropriate methodology for the definition of IS requirements at the various levels of management (Assignment 1, Assignment 2, Examination)
6. devise and evaluate strategies for the development and management of an information system within an organisation (Assignment 1, Assignment 2, Examination)
7. plan an appropriate education programme for IT users (Assignment 1, Assignment 2, Examination).

## TOPICS

	Description	Weighting (%)
1.	Overview of IT management	10.00
2.	IT's strategic role	10.00
3.	IT environment	10.00
4.	System development methodologies	10.00
5.	IS requirements engineering	10.00
6.	Executive information systems	10.00
7.	Managing IT planning	10.00
8.	Managing IS development/implementation	10.00
9.	Managing IS operations/maintenance	10.00
10.	Moving into the new economy/challenges ahead	10.00

## TEXT and MATERIALS required to be PURCHASED or ACCESSED

ALL textbooks and materials are available for purchase from USQ BOOKSHOP (unless otherwise stated). Orders may be placed via secure internet, free fax 1800642453, phone 07 46312742 (within Australia), or mail. Overseas students should fax +61 7 46311743, or phone +61 7 46312742. For costs, further details, and internet ordering, use the 'Textbook Search' facility at <http://bookshop.usq.edu.au> click 'Semester', then enter your 'Course Code' (no spaces).

CIS8004 study package available from the USQ Bookshop.

McNurlin, BC & Sprague, RH Jnr (eds) 2006, *Information systems management in practice*, 7th edn, Pearson/Prentice Hall, Upper Saddle River, New Jersey.

(international edition)

Summers, J & Smith, B 2006, *Communication skills handbook: how to succeed in written and oral communication*, 2nd edn, John Wiley & Sons, Milton, Queensland.

## REFERENCE MATERIALS

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.

*Journal of Strategic Information Systems*, JSIS,

(Relevant articles from this text and other IS journals)

Australian Government Information Management Office Website - <http://www.agimo.gov.au/>

Information Systems Research *MIS Quarterly*,

(relevant articles from these journals)

The Australian Newspaper IT Supplement

## STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Assessment	30.00
Directed Study	70.00
Others	30.00
Private Study	40.00

## ASSESSMENT DETAILS

Description	Marks out of	Wtg(%)	Due date
ASSIGNMENT 1	100.00	20.00	24 Aug 2007
ASSIGNMENT 2	100.00	30.00	12 Oct 2007
2 HOUR EXAMINATION	100.00	50.00	END S2 (see note 1)

### NOTES

1. The examination is scheduled to be held in the end-of-semester examination period. Students will be advised of the official examination date after the timetable has been finalised.

## IMPORTANT ASSESSMENT INFORMATION

- 1 Attendance requirements:

It is the students' responsibility to attend and participate appropriately in all activities (such as lectures, tutorials, laboratories and practical work) scheduled for them, and to study all material provided to them or required to be accessed by them to maximise their

- chance of meeting the objectives of the course and to be informed of course-related activities and administration.
- 2 Requirements for students to complete each assessment item satisfactorily:  
To satisfactorily complete an individual assessment item a student must achieve at least 50% of the marks. (Depending upon the requirements in Statement 4 below, students may not have to satisfactorily complete each assessment item to receive a passing grade in this course.)
  - 3 Penalties for late submission of required work:  
If students submit assignments after the due date without prior approval of the examiner, then a penalty of 5% of the total marks gained by the student for the assignment may apply for each working day late up to ten working days at which time a mark of zero may be recorded.
  - 4 Requirements for student to be awarded a passing grade in the course:  
To be assured of receiving a passing grade a student must achieve at least 50% of the total weighted marks available for the course.
  - 5 Method used to combine assessment results to attain final grade:  
The final grades for students will be assigned on the basis of the aggregate of the weighted marks obtained for each of the summative assessment items in the course.
  - 6 Examination information:  
This is a restricted examination. Candidates are allowed access to specific materials during the examination. The only materials that candidates may use in the examination for this course are (i) Writing materials: non-electronic and free from material which could give the student an unfair advantage in the examination; (ii) Translation dictionaries: with the examiner's approval, candidates may, take an appropriate non-electronic translation dictionary into the examination. This will be subject to perusal and, if it is found to contain annotations or markings that could give the candidate an unfair advantage, it may be removed from the candidate's possession until the appropriate disciplinary action is completed.
  - 7 Examination period when Deferred/Supplementary examinations will be held:  
Any Deferred or Supplementary examinations for this course will be held during the next examination period.
  - 8 University Regulations:  
Students should read USQ Regulations 5.1 Definitions, 5.6 Assessment, and 5.10 Student Academic Misconduct for further information and to avoid actions which might contravene university regulations. These regulations can be found at <http://www.usq.edu.au/corporateservices/calendar/part5.htm>. Students should also read the Faculty of Business Policies and Procedures which can be found at <http://www.usq.edu.au/business/aboutfob.htm>.

## **ASSESSMENT NOTES**

- 1 Assignments: (i) The due date for an assignment is the date by which a student must submit the assignment to the USQ. (ii) Students must retain a copy of each assignment submitted for assessment. This must be produced within 24 hours if required by the examiner. (iii) In accordance with university policy, the examiner may grant an extension of the due date of an assignment in extenuating circumstances. (iv) The examiner will normally only accept assessments that have been written, typed or printed on paper-based media. (v) In the event that a due date for an assignment falls on a local public holiday in their area, such as a show holiday, the due date for the assignment will be the next day. Students are

- to note on the assignment cover the date of the public holiday for the examiner's convenience.
- 2 Course weightings: Course weightings of topics should not be interpreted as applying to the number of marks allocated to questions testing those topics in an examination paper.
  - 3 Referencing in assignments: Unless otherwise directed by the examiner, all written and oral assignments submitted by students must conform to the guidelines laid out in the 'Communication skills handbook: how to succeed in written and oral communication'. Any work not prepared in accordance with these guidelines may be subject to penalty or requirement for resubmission.
  - 4 Make-up work: Students who have undertaken all of the required assessments in a course but who have failed to meet some of the specified objectives of a course within the normally prescribed time may be awarded the temporary grade: IM (Incomplete - Make up). An IM grade will only be awarded when, in the opinion of the examiner, a student will be able to achieve the remaining objectives of the course after a period of non-directed personal study.
  - 5 Deferred work: Students who, for medical, family/personal, or employment-related reasons, are unable to complete an assignment or to sit for an examination at the scheduled time may apply to defer an assessment in a course. Such a request must be accompanied by appropriate supporting documentation. One of the following temporary grades may be awarded: IDS (Incomplete - Deferred Examination); IDM (Incomplete Deferred Make-up); IDB (Incomplete - Both Deferred Examination and Deferred Make-up).

## **OTHER REQUIREMENTS**

- 1 Learning resources: Prescribed texts and materials (see above); recommended reference materials (see above); printed Introductory Book\* and Study Book/s\*; and course Website accessible via USQConnect. \*part of the study package available from the USQ Bookshop
  - 2 E-mail and Internet access: Students will require access to e-mail and Internet access to USQConnect for this course.
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