

FACULTY OF COMMERCE AND MANAGEMENT**SCHOOL OF MANAGEMENT**

Course Catalogue No:	7206MGT
Course Title:	Information Systems Analysis
Program/s for which Course is Designed:	Master of Information Systems
Status of Course within Program/s or Academic Plan/s	Core
Credit Point Value:	10CP
Year and Semester of Offer:	Semesters 1 & 2
Pre-requisites:	1004MGT Business Information Systems or equivalent
Prior Assumed:	Nil
Incompatibles:	Nil
Offered:	Even Years – Sem 1 Night, Sem 2 Day Odd Years – Sem 1 Day, Sem 2 Night
Course Convenor:	Michael Reardon Room N50_0.08 Ph. (07) 3875 7725 Email m.reardon@griffith.edu.au
Teaching Team:	To be advised
Date Course Outline was last modified:	July 2003

1. Objectives

On completion of the course, students will have:

- An understanding of the current approaches to Information Analysis and Problem Solving.
- Acquired system analysis and design skills and improved decision-making/problem-solving and analytic abilities.
- Attained knowledge of the tools and techniques required by business/information analysts.

2. Interrelationship of the Course with Other Course/s and Program/s

Information Systems Analysis is a core module within the Master of Information Systems and provides students with skills and knowledge required to design applications (7242MGT & 7207MGT), construct databases (7243MGT), manage development projects (7401MGT), and develop strategies for securing and controlling information system (7305MGT).

3. Brief Description

This course focuses upon concepts, methods and approaches for identifying, designing, and realising improvements in business activities and information support. The course applies a systems perspective and introduces Information Systems Development Methodologies and Organisational Problem-Solving approaches to business and information analysis.

4. Content

Week	Theme/Topic	Readings
1	Introduction to course: <ul style="list-style-type: none"> Relationship of ISA to other courses Organisational Issues and the nature of problems 	Whitten, Bentley & Dittman – Systems Analysis and Design Methods 5 th ed.. (WBD) Ch 1 & 2
2	Systems Development Methodologies <ul style="list-style-type: none"> Systems Development Life Cycle 	WBD Ch. 3, 5 & 6
3	Public Holiday	
4	Process Modelling <ul style="list-style-type: none"> Data Flow Diagrams 	Fertuck (1992) extract in open reserve WBD Ch 8, 10 & 11
5	Project Management <ul style="list-style-type: none"> Overview of Project Management PERT Charts 	WBD Ch 4
6	DFD Test (No Lecture / No Tutorials)	
7	Data Modelling <ul style="list-style-type: none"> Entity Relationship Diagrams 	WBD Ch 7 & 12
8	Decision Processing <ul style="list-style-type: none"> Decision Tables, Decision Trees & Structured English 	WBD Ch 8
9	ERD Test (No Lecture / No Tutorials)	
10	Input & Output Design <ul style="list-style-type: none"> Processing controls Input & Output design guidelines 	WBD Ch 9 to 15
11	Implementation & Operation: <ul style="list-style-type: none"> Systems Implementation Systems Operations & Support 	WBD Ch 16 & 17
12	Object Oriented Analysis and Design	WBD Modules A & B
13	Revision	

5. Generic Skills Development

To be effective in the workplace Systems Analysts need to have well developed problem solving skills, be able to recognise problems and analyse problematic situations, be able to communicate well and are often required to work in teams. This course will assist students in the development of these skills by providing analysis and design techniques, setting students group tasks, and requiring students to report the outcomes of their analysis activities in a structured business format.

6. Flexible Learning

This course is Web Supplemented.

7. Organisation and Teaching Methods

The contact hours for this course consist of a 2 hour lecture during weeks 1 - 13 and a 2 hour tutorial from weeks 2 – 13. The purpose of the lectures is to provide additional learning support based on the concepts discussed in the text and associated readings. Each week students will be given work to be prepared prior to tutorials. The tutorials will provide an opportunity for students to check the work they have done and to clarify issues and resolve problems they may have with the work covered. Lectures and tutorials are not compulsory however attendance is strongly advised. The purpose of student consultation times is to assist with queries relating to the course as a whole and to provide additional teaching support where necessary. It is not to provide primary teaching support (this is already available in tutorials and lectures). Therefore students should review materials prior to lectures and tutorials to determine whether attendance at lectures and tutorials is required.

8. Assessment

Item	Word Length	Weighting	Due Date
Workshop Exercises (DFD & ERD)	1 Hr	20% (10% each)	Weeks 6 & 9
Group Assignment	5000	30%	Week 11
Exam	3 Hr	50%	End of Semester

This section should include full information on the assessment strategy, including the number, weight and due date of each item of assessment. Specify the areas of skill development from the attributes of the Griffith Graduate that will be assessed.

Eg.

Skill Area	Workshop Exercises (Individual)	Assignment (Group)	Exam (Individual)
Teamwork		✓	
Information Technology		✓	✓
Interpersonal Skills		✓	
Self-Mgt Skills	✓		✓
Adaptability & Learning Skills	✓	✓	✓
Problem Solving & Decision Making	✓	✓	✓
Analytical & Conceptual Skills	✓	✓	✓
Written Communication		✓	
Oral Communication		✓	

9. Text and Supporting Materials

Whitten, Bentley & Dittman – Systems Analysis and Design Methods 5th ed..

10. Scope of Course Evaluation

The course will be evaluated primarily via student feedback. Students will be given the opportunity to provide anonymous feedback during the semester using a questionnaire on the subject site in Blackboard and also through a course evaluation questionnaire for students to complete during the final week of the course.

11. Administration

Assignments should be submitted according to the course convenor's instructions by the due date. All students should keep a copy of their assignment until it is marked and returned to them. Assignments should be kept until a final grade is awarded.

12. Course Communications

Latest notices about the course are posted by the convenor periodically on the notice board of the course web site. Students are strongly urged to refer to the notice board to keep abreast of the latest changes.

Students can meet the convenor and other teaching staff during specified consultation hours or arrange other times to meet them. The most convenient way to communicate with the convenor is by email.

13. University Policies

13.1 Late Submission of Assignments

Requests for an extension of time for submission of an assessment item must be lodged before the due date for the assessment item. Requests received on or after the due date will only be considered in exceptional circumstances. Extension requests must be made in writing to the Course Convenor, and be accompanied by appropriate supporting documentation.

Where an extension has not been granted, an assessment item submitted after the due date will be penalised as follows: the mark awarded to the item will be reduced by 10% of the maximum possible mark for each day that the assessment item is late. Each weekend (from Friday to Sunday) will count as one day.

13.2 Plagiarism / Academic Misconduct

Students must conduct their studies at the University honestly, ethically and in accordance with accepted standards of academic conduct. Any form of academic conduct which is contrary to these standards is academic misconduct for which the University may penalise a student. Specifically it is academic misconduct for a student to:

- present copied, falsified or improperly obtained data as if it were the result of laboratory work, field trips or other investigatory work;
- include in the student's individual work material which is the result of significant assistance from another person if that assistance was unacceptable according to the instructions or guidelines for that work;
- assist another student in the presentation of that student's individual work in a way that is unacceptable according to the instructions or guidelines for that work;
- cheat; (Cheating is dishonest conduct in assessment);
- plagiarise; (Plagiarism is knowingly presenting the work or property of another person as if it were one's own.)

On determination that academic misconduct has taken place, the **penalty** which may be imposed on the student is one or more of the following:

- a. a reduced or nil result for the assessment item affected by the academic misconduct;
- b. a fail grade for the course in which academic misconduct occurred;
- c. exclusion from enrolment in the program for a specified period;
- d. exclusion from the program; readmission to the program is at the discretion of the Faculty based on consideration of the student's case for readmission.

Where a student has been found guilty of academic misconduct on more than one occasion and has previously been penalised as set out in above a. - c., the penalty shall normally be exclusion from the program as set out in d., unless in the opinion of the relevant Assessment Board there are mitigating circumstances.

Further information on this policy can be found in full at the following web address:
<http://www62.gu.edu.au/policylibrary.nsf>

13.3 Assessment Policy

This policy outlines the philosophy of assessment, the assessment requirements of a course, the award of grades, information on special consideration, supplementary and deferred assessment, the conduct of students in examinations and the notification of results. This policy also includes information on appealing grades (review of grade application), disposal of non-collected assessment material and roles and responsibilities of Course Convenors and Faculty Assessment Boards. This policy can be found in full at the following web address:
<http://www62.gu.edu.au/policylibrary.nsf>

13.4 Student Appeals and Grievances Policy

Griffith University is committed to an equitable and enriching environment for students which fosters academic achievement and where the interactions amongst students and staff are based on mutual respect, fairness and fulfilment of obligations. The University's Student Charter expresses the expectations which students may have of the University and which the University has of its students. The [Student Charter](#), together with the rules and policies of the University, provide the framework for the interaction between the University, its staff and students. This policy provides the mechanism for resolving problems when a student considers that a decision of the University or one of its staff or a situation experienced by the student is not in accordance with the expectations set down in the Student Charter or the University's rules and policies.

Section 2.1 of this policy provides students with information on how to best resolve certain grievances, eg. the awarding of a final grade, appealing a penalty imposed for academic misconduct, appealing academic probation or exclusion decisions, or refusal to award a deferred exam etc. This policy can be found in full at the following web address:
<http://www62.gu.edu.au/policylibrary.nsf>

APPENDIX ONE

7206MGT Information Systems Analysis

Semester 2, 2003

RESOURCE DOCUMENT.

Is the course manageable within existing resources? Yes

COURSE APPROVAL

The course outline must be reviewed each semester. The resource implications of any changes should be considered and detailed in the above documentation.

The course has been reviewed, and all changes have been indicated.

_____ Course Convenor _____ date

The changes to the course outline, and the resource documentation are approved / not approved

_____ Head of School _____ date

The changes to the course outline, and the resource documentation are approved / not approved

_____ Program Convenor _____ date

The changes to the course outline, and the resource documentation are approved / not approved

_____ Dean, CAM _____ date