



The University of Southern Queensland

## Course Specification

### Description: Land Management Systems

Subject	Cat-Nbr	Class	Term	Mode	Units	Campus
GIS	2403	15186	2, 2002	WEB	1.00	TWMBA

<b>Academic Group:</b>	FOENS
<b>Academic Org:</b>	FOES05
<b>HECS Band:</b>	2
<b>ASCED Code:</b>	031199

### STAFFING

Examiner: Yan Liu

Moderator: Frank Young

### SYNOPSIS

The purpose of this course is to give students an understanding of the public land administration and management systems that are emerging. The course will examine those systems which are potentially useful to the land information manager in order to facilitate better management and decision making. Topics to be covered include information systems, land information and management, land registration and cadastral systems, natural resource and environmental information systems, ownership and rights of land related data, Land Information Systems (LIS) and local government, accessing land related data, economics of land management systems, and case studies.

### OBJECTIVES

On completion of this course, students should be able to:

- understand the principles of information management and information systems;
- be aware of information systems development life cycle;
- understand the ownership, copyright and costs of land related data;
- understand the role of LIS in local government;
- be familiar with land related data associated with land registration and cadastral systems;
- be familiar with land related data associated with natural resources and environmental management;
- understand operations of land registration systems;
- be familiar with the land related data held by private and public organisations;
- access land related data for projects;
- be aware of some case studies of land administration systems in government agencies.

## TOPICS

Description	Weighting (%)
1. Concepts of information systems, information systems management and development life cycle	10.00
2. Land information and management systems	10.00
3. Land registration and cadastral systems	10.00
4. Natural resources and environmental information systems	10.00
5. Role of surveying and mapping in Land Information Systems (LIS)	10.00
6. Land Information Systems (LIS) and Local Government	15.00
7. Ownership and rights of land related data	10.00
8. Accessing land related data from local, state and federal bodies.	10.00
9. Economics of land management systems	5.00
10. Case studies of various land administration systems	10.00

## 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.

Dale, P. & McLaughlin, J. 1988, *Land Information Management*, Clarendon Press, Oxford.

Korte, G. B. 1997, *The GIS Book*, Onword Press,

Larsson, G. 1991, *Land Registration and Cadastral Systems*, Longman Scientific and Technical, Essex, England.

## STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Directed Study	52
Examinations	2
Private Study	41
Report Writing	60

## ASSESSMENT DETAILS

Description	Marks Out of	Wtg(%)	Required	Due Date
ASSIGNMENT 1	250.00	25.00	Y	02 Sep 2002
ASSIGNMENT 2	250.00	25.00	Y	14 Oct 2002
2 HOUR CLOSED EXAMINATION	500.00	50.00	Y	END S2 (see note 3)

### NOTES:

3. Student Administration will advise students of the dates of their examinations during the semester.

## OTHER REQUIREMENTS

- 1 To receive a passing grade in this course a student must normally achieve at least 45% in each of the assessments and at least 50% of the available marks for the course.
- 2 A minimum standard of communication skills must be demonstrated in order for a passing grade to be achieved.
- 3 The due date for an assignment is the date by which a student must submit the assignment to the USQ. The onus is on the student to provide proof of the submit date, if requested by the Examiner.
- 4 Students must retain a copy of each item submitted for assessment. This must be produced within five days if required by the Examiner.
- 5 In accordance with University's Assignment Extension Policy (Regulation 5.6.1), the examiner of a course may grant an extension of the due date of an assignment in extenuating circumstances.
- 6 If students submit assignments after the due date without prior approval then a penalty of up to 20% of the total marks for the assignment will apply for each working day late.
- 7 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.
- 8 The Faculty of Engineering and Surveying will NOT accept submission of hand written or typed assignments by facsimile, e- mail or computer diskette. Students in remote locations who do not have regular access to postal services may be given special consideration.
- 9 The final grades for students will be assigned on the basis of the aggregate of the marks obtained for each of the assessments in the course.
- 10 A closed examination is an examination where the candidates are allowed to bring only writing and drawing instruments into the examination.
- 11 The Faculty of Engineering and Surveying does not offer supplementary examinations.
- 12 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.

- 13 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; IDSM (Incomplete Deferred Examination and Make-up).
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