



The University of Southern Queensland

Course specification

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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: Land Management Systems

Subject	Cat-nbr	Class	Term	Mode	Units	Campus
GIS	2403	66706	2, 2007	EXT	1.00	Toowoomba

Academic group:	FOENS
Academic org:	FOES05
Student contribution band:	2
ASCED code:	031199

STAFFING

Examiner: Xiaoye Liu

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 land 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) in local government, accessing land related data, economics of land-related data, and case studies.

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 are shown in parenthesis. On completion of this course, students should be able to:

1. understand the principles of information management and information systems. (Assignment 1; Exam);
2. describe the information systems development life cycle. (Assignment 1; Exam);
3. understand the ownership, copyright and costs of land related data. (Assignment 2; Exam);
4. understand the role of LIS in local government (Assignment 1; Exam);
5. describe the land related data associated with land registration and cadastral systems. (Assignment 1; Exam);
6. describe the land related data associated with natural resources and environmental management. (Assignment 2; Exam);
7. understand operations of land registration systems. (Assignment 1; Exam);
8. describe the land related data held by private and public organisations. (Assignment 2; Exam);
9. access land related data for projects. (Assignment 2; Exam);
10. discuss case studies of land administration systems in government agencies (Assignment 2; Exam).

TOPICS

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

Nil.

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, GB 2001, *The GIS Book*, 5th edn, Onword Press, Santa Fe.

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

STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Directed Study	52.00
Examinations	2.00
Private Study	41.00
Report Writing	60.00

ASSESSMENT DETAILS

Description	Marks out of	Wtg(%)	Due date
ASSIGNMENT 1	200.00	20.00	27 Aug 2007
ASSIGNMENT 2	200.00	20.00	15 Oct 2007
2 HOUR CLOSED EXAMINATION	600.00	60.00	END S2 (see note 1)

NOTES

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

IMPORTANT ASSESSMENT INFORMATION

- 1 Attendance requirements:
There are no attendance requirements for this course. However, it is the students' responsibility 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 or a grade of at least C-.
- 3 Penalties for late submission of required work:
If students submit assignments after the due date without prior approval then a penalty of 20% of the total marks available for the assignment will apply for each working day late.
- 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 make a reasonable attempt in all of the weighted assessment items, achieve at least 45% in the examination and 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 weighted aggregate of the marks (or grades) obtained for each of the summative assessment items in the course.
- 6 Examination information:
In a Closed Examination, candidates are allowed to bring only writing and drawing instruments into the examination.
- 7 Examination period when Deferred/Supplementary examinations will be held:
Any Deferred or Supplementary examinations for this course will be held during the examination period at the end of the semester of the next offering of this course.
- 8 University Regulations:

Students should read USQ Regulations 5.1 Definitions, 5.6. Assessment, and 5.10 Academic Misconduct for further information and to avoid actions which might contravene University Regulations. These regulations can be found at the URL <http://www.usq.edu.au/corporateservices/calendar/part5.htm> or in the current USQ Handbook.

ASSESSMENT NOTES

- 1 The due date for an assignment is the date by which a student must despatch the assignment to the USQ. The onus is on the student to provide proof of the despatch date, if requested by the Examiner.
- 2 Students must retain a copy of each item submitted for assessment. This must be despatched to USQ within 24 hours if required by the Examiner.
- 3 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.
- 4 The Faculty will normally only accept assessments that have been written, typed or printed on paper-based media.
- 5 The Faculty will NOT accept submission of assignments by facsimile.
- 6 Students who do not have regular access to postal services or who are otherwise disadvantaged by these regulations may be given special consideration. They should contact the examiner of the course to negotiate such special arrangements.
- 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 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.
- 9 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).