



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: Geographic Data Presentation

| Subject | Cat-nbr | Class | Term | Mode | Units | Campus |
|---------|---------|-------|---------|------|-------|-----------|
| GIS | 1401 | 62910 | 1, 2007 | EXT | 1.00 | Toowoomba |

| | |
|-----------------------------------|--------|
| Academic group: | FOENS |
| Academic org: | FOES05 |
| Student contribution band: | 2 |
| ASCED code: | 031103 |

STAFFING

Examiner: Badri Basnet

Moderator: Kevin McDougall

SYNOPSIS

The professional presentation of survey and land information is an important facet of preparing data for client use. In addition, the interpretation of survey plans, maps and technical drawings requires knowledge, skill and experience. Students must be able to prepare specialist surveying engineering drawings by hand and by computer. They will also need the skills to combine non-geographic information, with other mapping information in thematised presentations.

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. demonstrate basic drafting skills (assignment 1 and 2);
2. interpret maps, engineering drawings and survey plans (assignment 2);
3. operate a computer aided drafting package (assignment 2);
4. describe the basic components and characteristics of maps (on-line quiz and exam);
5. describe the objectives of cartographic communication (on-line quiz and exam);
6. explain the basic processes required to design and compile thematic maps (exam);
7. describe the processes of map production (exam); and
8. demonstrate an understanding of the data quality, copyright and liabilities issues (exam).

TOPICS

| Description | Weighting (%) |
|---|---------------|
| 1. Basic drafting | 10.00 |
| 2. Specialist drafting in civil engineering and surveying | 10.00 |

| | | |
|-----|--|-------|
| 3. | Computer aided drafting | 15.00 |
| 4. | Geographic information systems and maps | 10.00 |
| 5. | Cartographic conventions and characteristics | 10.00 |
| 6. | Map projection and coordinate systems | 10.00 |
| 7. | Map design | 10.00 |
| 8. | Thematic mapping | 10.00 |
| 9. | Map production | 10.00 |
| 10. | Cartography at work: maps as decision tools | 5.00 |

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).

GIS1401 Geographic Data Presentation Study Book 1 and 2, USQ Publication.

Boundy, AW 2001, *Engineering Drawing*, 6th edn, McGraw Hill, Sydney.

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.

Robinson, AH, Morrison, JL, Muehrcke, PC, Kimberling, AJ and Guptill, SC 1995, *Elements of cartography*, 6th edn, John Wiley & Sons Inc.

STUDENT WORKLOAD REQUIREMENTS

| ACTIVITY | HOURS |
|----------------|-------|
| Assessment | 45.00 |
| Directed Study | 52.00 |
| Examinations | 2.00 |
| Private Study | 56.00 |

ASSESSMENT DETAILS

| Description | Marks out of | Wtg(%) | Due date |
|---------------------------|--------------|--------|------------------------|
| ASSIGNMENT 1 | 150.00 | 15.00 | 05 Apr 2007 |
| ASSIGNMENT 2 | 200.00 | 20.00 | 04 May 2007 |
| ON LINE QUIZ | 50.00 | 5.00 | 25 May 2007 |
| 2 HOUR CLOSED EXAMINATION | 600.00 | 60.00 | END S1 (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 assessment item a student must achieve at least 50% of the marks or a grade of at least C-. Students do not have to satisfactorily complete each assessment item to be awarded a passing grade in this course. Refer to Statement 4 below for the requirements 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 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 40% in each of the weighted assessment items 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 one of the temporary grades: IM (Incomplete - Make up), IS (Incomplete - Supplementary Examination) or ISM (Incomplete -Supplementary Examination and Make up). A temporary 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).