



The University of Southern Queensland

Course specification

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: Agricultural Engineering Practice

Subject	Cat-nbr	Class	Term	Mode	Units	Campus
AGR	3905	74399	1, 2008	ONC	0.00	Toowoomba

Academic group:	FOENS
Academic org:	FOES03
Student contribution band:	2
ASCED code:	039999

STAFFING

Examiner: Guangnan Chen
Moderator: Joseph Foley

SYNOPSIS

Agricultural Engineering is a discipline which is strongly oriented to the practical needs of all involved in agriculture. Students need to understand the practical application of theories and develop skills in the identification and solution of problems. This course presents a coordinated set of activities which relate to three courses (AGR2302, AGR3303 and AGR4305) and will reinforce and develop an understanding of their content and their application to real world situations.

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 a body of skills, including practical, written, oral communication and computer skills (Report 1, Report 2);
2. demonstrate a knowledge of materials, devices and techniques, with an appreciation of safety codes and practices and specific equipment (Report 1, Report 2);
3. understand some of the limitations of theory through the solution of practical problems (Report 1, Report 2);
4. demonstrate skills in the observation, interpretation and assessment of experimental phenomena (Report 1, Report 2);
5. demonstrate improved group interaction skills, a greater interest in engineering and an appreciation of commercial reality (Report 1, Report 2);
6. demonstrate the skills and knowledge required to complete practical work safely with the appropriate equipment (Report 1, Report 2).

TOPICS

Description	Weighting (%)
1. Tractor and agricultural machinery performance	40.00
2. Machine/soil interactions	30.00
3. Post harvest storage and processing	30.00

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).

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.

STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Field Trips or Excursions	10.00
Laboratory or Practical Classes	25.00
Report Writing	15.00

ASSESSMENT DETAILS

Description	Marks out of	Wtg (%)	Due date
REPORT 1	500.00	50.00	04 Apr 2008 (see note 1)
REPORT 2	500.00	50.00	11 Apr 2008 (see note 2)

NOTES

1. Students will be advised of the due date when each assessment item is issued.
2. Students will be advised of the due date when each assessment item is issued.

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 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 5% 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 students must complete at least 80% of the practical and other activities at a satisfactory standard, as stated in the course Assessment Scheme.
 - 5 Method used to combine assessment results to attain final grade:
As P is the only passing grade available for this course, all students who are qualified for a passing grade, under the requirements in 4 above, will be given a grade of P. Other students will be given either a Failing grade or an Incomplete grade.
 - 6 Examination information:
There is no examination in this course.
 - 7 Examination period when Deferred/Supplementary examinations will be held:
Not applicable.
 - 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 produced within five days 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). 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).