



The University of Southern Queensland

Course Specification

Description: Industrial Engineering

Subject	Cat-Nbr	Class	Term	Mode	Units	Campus
MEC	1207	14735	2, 2002	ONC	1.00	TWMB A

Academic Group:	FOENS
Academic Org:	FOES02
HECS Band:	2
ASCED Code:	030703

STAFFING

Examiner: Harry Ku

Moderator: Bob Fulcher

SYNOPSIS

Because many graduates will find themselves in some supervisory or middle management role, it is essential that they be given a grounding in planning and management techniques commonly employed in manufacturing organisations. The objective of this course is to introduce the student to effective analysis and planning of manufacturing operations. The responsibility of management to provide efficient methods of production will be realised by the student. Various procedures and techniques used to achieve such methods will be studied. The layout of physical facilities will be dealt with, as will the scheduling and control of production through such facilities. Work study techniques are covered in detail.

OBJECTIVES

To give the student a course of instruction which will provide a basis for work employment in a manufacturing organization.

- The student will be given a theoretical knowledge of the techniques required to efficiently plan and control work carried out in manufacturing environment.
- The student will also be given an insight into modern concepts of controlling the organisation of work methods.

TOPICS

Description	Weighting (%)
1. Work study & productivity	5.00
2. Method study	25.00
3. Work measurement	10.00

4. Group technology and Just in Time	10.00
5. Operation and production management	50.00

TEXT and MATERIALS required to be PURCHASED or ACCESSED:

Books can be ordered by fax or telephone. For costs and further details use the 'Book Search' facility at <http://bookshop.usq.edu.au> by entering the author or title of the text.

1992, *Introduction to Work Study*, 4th edition, ILO,

Lockyer, Mulemann & Oakland 1992, *Production and Operations Management*, 6th edition, Pitman,

STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Directed Study	52
Examinations	3
Lectures	13
Private Study	43
Report Writing	31
Tutorial	13

ASSESSMENT DETAILS

Description	Marks Out of	Wtg(%)	Required	Due Date
PROBLEM 1	40.00	4.00	Y	13 Sep 2002
PROBLEM 2	200.00	20.00	Y	13 Sep 2002
PROBLEM 3	80.00	8.00	Y	13 Sep 2002
PROBLEM 4	40.00	4.00	Y	13 Sep 2002
PROBLEM 5	40.00	4.00	Y	13 Sep 2002
3 HOUR RESTRICTED EXAMINATION	600.00	60.00	Y	END S2 (see note 6)

NOTES:

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

OTHER REQUIREMENTS

- 1 Students must complete the problem series before a passing grade will be awarded. Late submission could mean loss of all assignment marks.

- 2 Students must obtain 50% of the total marks for the course and at least 50% of the marks in the final examination and at least 40% of the marks in each assignment to successfully complete the course.
 - 3 This is a restricted examination, students are only permitted to have access to a hand held battery operated calculator which does not have keys for the alphabet, drawing and writing implements in the examination.
 - 4 A minimum standard of communication skills must be demonstrated in order for a passing grade to be achieved.
 - 5 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.
 - 6 Students must retain a copy of each item submitted for assessment. This must be produced within five days if required by the Examiner.
 - 7 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.
 - 8 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.
 - 9 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.
 - 10 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.
 - 11 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.
 - 12 Students must note the make and model of the calculator used on the front of the Answer Book or Examination Paper where applicable. This may be subject to checking by the supervisor.
 - 13 The Faculty of Engineering and Surveying does not offer supplementary examinations.
 - 14 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.
 - 15 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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