



The University of Southern Queensland

Course Specification

Description: Software Engineering Project B

Subject	Cat-Nbr	Class	Term	Mode	Units	Campus
CSC	3415	24447	2, 2003	EXT	1.00	TWMBA

Academic Group:	FOSCI
Academic Org:	FOS003
HECS Band:	2
ASCED Code:	029999

STAFFING

Examiner: Ron House
Moderator: Richard Watson

PRE-REQUISITES

Pre-requisite: CSC3414

RATIONALE

This course in conjunction with Software Engineering Project A (CSC3414) is designed to provide students with practice in bringing together the skills they have acquired during the program for the solution of problems of a kind they are likely to face in their subsequent employment. It also provides students with practice in oral and written communication. This course focuses on the construction and testing phases based upon the design developed in the course Software Engineering Project A (CSC3414).

SYNOPSIS

The course is the confluence of the knowledge and skills acquired in many other courses of the major. By undertaking the development of a large software application, students develop their skills and professional practices. There will be particular emphasis on the use of modern tools and notations for software design and construction, and regular reporting.

OBJECTIVES

On successful completion of this course students will be able to:

- demonstrate their ability to carry out a major software development project.
- demonstrate their ability to describe their work and communicate their results.
- demonstrate the ability to use modern software engineering techniques and tools in all aspects of the software project lifecycle.

TOPICS

Description	Weighting (%)
1. Students will construct software and user manuals based upon their design specifications developed in CSC3414 Software Engineering Project A.	100.00

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.

Introductory Book 2003, *Course CSC3414/CSC3415 Software Engineering Project A & B*, USQ Distance Education Centre, Toowoomba.

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.

Booch, G., Rumbaugh, J. & Jacobsen, I. 1999, *The Unified Modelling Language User Guide*, Addison-Wesley, Reading, Mass.

Fowler, M. & Scott, K. 2000, *UML Distilled: A Brief Guide to the Standard Object Modelling Language*, 2nd edition, Addison-Wesley, Reading, Mass.

Jacobson, I. 1992, *Object-Oriented Software Engineering: Use Case Driven Approach*, Addison-Wesley, Reading, Mass.

Pressman, R.S. 1992, *Software Engineering: A Practitioner's Approach*, 3rd edition, McGraw-Hill, New York.

Rumbaugh, J., et al 1991, *Object-Oriented Modelling and Design*, Prentice Hall, Englewood Cliffs, NJ.

Sommerville, I. 2000, *Software Engineering*, 6th edition, Addison-Wesley, Harlow.

Stevens, P. 2000, *Using UML: Software Engineering with Objects and Components*, Addison-Wesley, Harlow.

STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Project Work	160

ASSESSMENT DETAILS

Description	Marks Out of	Wtg(%)	Required	Due Date
ASSIGNMENT 1	40.00	40.00	Y	05 Sep 2003
ASSIGNMENT 2	60.00	60.00	Y	31 Oct 2003

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 complete each of the assessment items satisfactorily, students must obtain at least 50% of the marks available for each assessment item.
- 3 Penalties for late submission of required work:
If students submit assignments after the due date without adequate reason 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 50% of the available marks for each of the assessment items.
- 5 Method used to combine assessment results to attain final grade:
The final grades for students will be assigned on the basis of the aggregate of the weighted marks obtained for each of the assessment items in the course.
- 6 Examination information:
There is no examination in this course.
- 7 Examination period when Deferred/Supplementary examinations will be held:
There will be no Deferred or Supplementary examinations in 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/SECARIAT/calendar/Part5/> or in the printed version of the current USQ Handbook.

OTHER REQUIREMENTS

- 1 Assignment 1 in Assessment Details has a weighting of 40% which is made up of 4 sections worth 5%, 25%, 5% and 5% respectively.
 - 2 Assignment 2 in Assessment Details has a weighting of 60% which is made up of 5 sections worth 5%, 5%, 10%, 10% and 30% respectively.
-