



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: Software Engineering Project Management

Subject	Cat-nbr	Class	Term	Mode	Units	Campus
ELE	4402	90706	2, 2009	EXT	1.00	Toowoomba

Academic group:	FOENS
Academic org:	FOES04
Student contribution band:	2
ASCED code:	031305

STAFFING

Examiner: Wei Xiang
Moderator: Hong Zhou

OTHER REQUISITES

Recommended co-requisite: CSC2407 or USQIT16

RATIONALE

Successful large-scale software projects require a variety of approaches, some of which are generic to project management in general, and some of which are specific to the nature of software itself. The complexity of software engineering projects demands a structured approach throughout the project lifetime, from the initial specification through to final acceptance testing and ongoing maintenance. The increasing focus on network-centric, globally-developed software systems means that the graduate in software engineering must understand project management systems and processes, in order to be able to contribute productively to a software development team.

SYNOPSIS

In this course the student will be introduced to the issues involved in managing software projects, both small and large. It is important that the team player recognize that the success of a large project depends on the interaction of a large number of factors, some of which are beyond the control of those who are directly involved in the project. Issues which must be addressed include client liaison, product specification, planning, selection of appropriate technologies, staffing, personnel management, progress assessment and team leadership.

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 genesis of project management and its importance to improving the success of information technology projects (Assignment 1 and Exam);

2. Demonstrate knowledge of project management terms and techniques (Assignment 2 and Exam);
3. Apply project management concepts by working on a group project as project manager or active team member (Assignment 2);
4. Use project management software to help plan and manage software development projects of various sizes (Assignment 2);and
5. Appreciate the importance of good project management (Assignment 1 and Exam).

TOPICS

	Description	Weighting (%)
1.	Introduction to Project Management	10.00
2.	Software Development Project Management	12.00
3.	Project Time Management	12.00
4.	Project Cost Management	12.00
5.	Project Quality Management	12.00
6.	Project Risk Management	12.00
7.	Other Project Management Topics (Project Integration, Scope, Human Resources, Communications, Procurement Management)	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).

Schwalbe, K 2007, *Information Technology Project Management*, 5th edn, Thomson Course Technology,

(Course information (on-line), available at:

<http://www.usq.edu.au/users/xiangwei/teaching/ele4402.html>)

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.

Hughes, B & Cotterell, M 2005, *Software Project Management*, 4th edn, McGraw-Hill,

Jalote, P 2002, *Software Project Management in Practice*, Addison-Wesley,

Mantel, SJ 2004, *Core Concepts of Project Management in Practice*, 2nd edn, John Wiley & Sons,

Royce, W 1998, *Software Project Management: A Unified Framework*, Addison-Wesley,

STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Assignments	52.00
Directed Study	52.00
Examinations	2.00
Private Study	49.00

ASSESSMENT DETAILS

Description	Marks out of	Wtg (%)	Due date
ASSIGNMENT 1	200.00	20.00	21 Aug 2009
ASSIGNMENT 2	200.00	20.00	16 Oct 2009
2 HOUR CLOSED EXAMINATION	600.00	60.00	END S2

IMPORTANT ASSESSMENT INFORMATION

- 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.
- 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-. (Depending upon the requirements in Statement 4 below, students may not have to satisfactorily complete each assessment item to receive a passing grade in this course.)
- Penalties for late submission of required work:**

If students submit assignments after the due date without extenuating circumstances then a penalty of 5% of the assigned mark may apply for each working day late up to a maximum of ten working days at which time a mark of zero can be recorded for that assignment.
- Requirements for student to be awarded a passing grade in the course:**

To be assured of receiving a passing grade in a course a student must obtain at least 50% of the total weighted marks for the course.
- 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.
- Examination information:**

In a Closed Examination, candidates are allowed to bring only writing and drawing instruments into the examination.
- 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.
- 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 on the online 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 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.
- 7 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.
- 8 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).

OTHER REQUIREMENTS

- 1 Students will require access to e-mail and internet access to UConnect for this subject.
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