COMP8770

Information Systems Project and Risk Management

Session 1, Weekday attendance, North Ryde 2020

Department of Computing

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General Information

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Monday's 4-5pm

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Credit points
10

Prerequisites
ITEC602 or COMP6770

Corequisites

Co-badged status

Unit description
This unit has three themes: IT project management, agile software development and risk management. Topics covered in the first theme include project definition, roles and responsibilities, resource management, time and cost estimation, project planning, project control and reporting, measuring project success and post-implementation review. Microsoft Project is used to assist with resource allocation, costing and schedule. Hands-on experience is gained using the Rational Unified Process during the second theme. Towards the end of the course we focus on identifying causes of project failure and managing project risk based on the International and Australian Standard, ISO31000.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

ULO1: Apply an understanding of the contextual issues of an IT project to the identification and management of expectations of the main project stakeholders.

ULO2: Develop, maintain, manage and report against a project plan which defines the critical path and resource requirements, with tool support, such as MS Project 2019.

ULO3: Critically evaluate the concepts of agile methodologies such as the Rational Unified Process, DSDM and DevOps and incorporate appropriate components into the planning for complex software development or off the shelf enterprise system projects.

ULO4: Analyse IT project risks and formulate a risk management plan compliant with the international standard, ISO31000.

ULO5: Critically evaluate the role of the IT project manager and how to handle organization politics, individual and team management

Assessment Tasks

Coronavirus (COVID-19) Update

Assessment details are no longer provided here as a result of changes due to the Coronavirus (COVID-19) pandemic.

Students should consult iLearn for revised unit information.

Find out more about the Coronavirus (COVID-19) and potential impacts on staff and students

General Assessment Information

Late Submission(s): “Late assessment must also be submitted through Turnitin. No extensions will be granted. There will be a deduction of 10% of the total available marks made from the total awarded mark for each 24 hour period or part thereof that the submission is late (for example, 25 hours late in submission incurs a 20% penalty). Late submissions will not be accepted after solutions have been discussed and/or made available. This penalty does not apply for cases in which an application for Special Consideration is made and approved. Note: applications for Special Consideration Policy must be made within 5 (five) business days of the due date and time.”

Delivery and Resources

Coronavirus (COVID-19) Update

Any references to on-campus delivery below may no longer be relevant due to COVID-19.

Please check here for updated delivery information: https://ask.mq.edu.au/account/pub/display/unit_status

Each week you should attend up to 4 hours of lectures and tutorials (please note Tutorials are on a different day to lectures now). For details of days, times and rooms consult the timetables web page.

Required and Recommended Texts:

Students are expected to purchase and read the following textbook:

Erik Larson and Clifford Gray, 'Project Management: The Managerial Process' 7th Edition (2018), McGraw Hill. This book should be available from the University Co-op Bookstore. or available as an eBook - https://www.mheducation.com.au/9781307023077-aus-ebook-project-management-the-managerial-process-7e

The following text book is suggested as recommended reading. Copies are available from the references and general sections of the library.

Rob Thomsett, Radical Project Management, Prentice Hall, 2002, not available as an eBook. However, it is available online.

The class Web site will have copies of lecture handouts and additional recommended reading material: https://ilearn.mq.edu.au/ You will need to use the user name and password issued to you by the University Administration when you enrolled for the unit.

Technology to be used and required:

We are using MS Project 2016 or 2019.

Other technology required is MS Word and MS PowerPoint.

Website and access to unit material:

The web page and content for this unit can be found at iLearn: https://ilearn.mq.edu.au/login/MQ/. Note that the unit content is not publicly available and requires for you to log in to access.

Unit Schedule

Coronavirus (COVID-19) Update

The unit schedule/topics and any references to on-campus delivery below may no longer be relevant due to COVID-19. Please consult iLearn for latest details, and check here for updated delivery information: https://ask.mq.edu.au/account/pub/display/unit_status

Week	Lecturer	Topic	Reading
1	Ian	Course Structure Types of Projects, Role of the Project Manager, IS/IT Projects are Different	Unit Outline Larson 1, Readings
2	Ian	Project Definition Introduction to MS Project Hand out Assignment One (Individual Assignment) 'MS Project 2019 and Case Study'	Larson 4 Erik Larson Videos

3	Ian	Project Selection and Success Criteria Estimating Project Times and Costs Sponsors and Other Stakeholders	Larson 2 Larson 5 Larson 10
4	Ian	DSDM Introduction and Tutorial Assignment One Due Hand out Assignment Two (Group Assignment) 'IS Project Management Plan'	DSDM Handbook
5	Ian	Rational Unified Process RUP Structure and Navigation RUP for COTS	IBM Sources
6	Ian	Leadership Team Management	Larson 10 Larson 11, Thomsett articles
7	Stephen	Risk Management Part 1	ISO31000
8	Stephen	Risk Management Part 2	
9	Stephen	DevOps Virtual Teams and Outsourcing Project Audit and Closure	Accenture, 2015 Larson 12 Larson 14
10	Stephen	Project Plan Structure Progress Management and Evaluation Organisational Politics	Larson 6, 10, 12, 13
11	Stephen	Group Assignment Review Tutorial	
12	Stephen	Group Presentations	
13	Ian & Stephen	Exam Revision + Group Presentations (cont) Assignment Two (2) Due	

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy

- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Grade Appeal Policy
- Complaint Management Procedure for Students and Members of the Public
- Special Consideration Policy *(**Note:** The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)*

Students seeking more policy resources can visit the Student Policy Gateway (https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/study/getting-started/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- Getting help with your assignment
- Workshops
- StudyWise
- Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Services and Support

Students with a disability are encouraged to contact the Disability Service who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.

Changes from Previous Offering

Lectures and Tutorials have changed from a 4 hour block to a 2 hour lecture and separate Tutorial session.