



MONASH
University

Handbook

程序代写代做 CS编程辅导

Unit



FIT4002 Software engineering industry experience studio project

WeChat: cstutores

Assignment Project Exam Help

Email: tutorcs@163.com

Overview

QQ: 749389476

<https://tutorcs.com>

Students will undertake a large project and work in groups on a software project for a client. The client may be internal to Monash or from the industry or research organisation. In general, projects involve all aspects of the system development lifecycle. Groups are responsible for their own project management, with guidance from a supervisor. Some projects will warrant students working in pairs or individually.

Faculty:

[Faculty of Information Technology](#)

Owning organisational unit:

Faculty of Information Technology

Study level:

Undergraduate

SCA band:

2

EFTSL:

0.250

Credit points:

12

Open to exchange or study abroad students?

No

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Offerings

FY-01-CLAYTON-ON-CAMPUS

Location: Clayton

Teaching period: Full year

Attendance mode: On-campus



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FY-01-MALAYSIA-ON-CAMPUS

Location: Malaysia

Teaching period: Full year

Attendance mode: On-campus

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Requisites

Prerequisite

→ FIT3170

12 CP

Software engineering practice

→ FIT3171

6 CP

Databases

Rules

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Enrolment Rule

Corequisite:

- For Clayton E301 (Software Engineering double degree students): ENG0001



Contacts

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Chief Examiner(s)

Email: tutorcs@163.com

Dr Yuan-Fang Li

QQ: 749389476

Email: YuanFang.Li@monash.edu

Offering(s):

<https://tutorcs.com>

- Applies to all offerings

Unit Coordinator(s)

Dr Nik Nailah Abdullah

Email: Nik.Nailah@monash.edu

Offering(s):

- Full year, Malaysia, On-campus

Learning outcomes

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

1. Design and implement a system of a quality acceptable to an external client;
2. Select and use appropriate techniques and strategies to manage project resources, including risk management;
3. Identify potential sources of risk, including ethical risk, and devise and adopt appropriate strategies to monitor and mitigate these risks;
4. Choose and follow a software development methodology that is appropriate to the team, project and client, and justify this methodology;
5. Elicit functional and non-functional requirements, including human aspects requirements, from client representatives and ensure that these are communicated to team members and other stakeholders in an appropriate form;
6. Produce internal documentation of a sufficient quality to support project development activities (including specification, analysis, design, testing) and address relevant security and other risks;
7. Communicate effectively with a diverse range of project stakeholders, including clients, end users, and supervisors;
8. Verify systematically that internal and external project deliverables meet agreed quality standards, such as functionality, security and usability.



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Teaching approach

Active learning

Workshop teaching is a facilitated active, participatory, peer learning approach.

Seminars: You will listen to presentations from the unit coordinator, guest speakers, and fellow students on topics relevant to the studio project.

Peer assisted learning

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Assessment



Supplementary assessment for this unit. Check the [supplementary assessments](#) page for details about exemptions.

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Assessment

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Scrum of scrums

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Value %: 5

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Process and project status interviews

<https://tutorcs.com>

Value %: 20

Design Walkthrough

Value %: 10

Group Presentations

Value %: 20

Software Walkthrough

Value %: 5

Capstone Interview

Value %: 10

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Software product

Value %: 30



Scheduled teaching activities

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Seminars

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Total hours: 24 hours

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Offerings:

- Applies to all offerings

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Workshops

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Total hours: 24 hours

Offerings:

- Applies to all offerings

Workload requirements

Workload

Minimum total expected workload to achieve the learning outcomes for this unit is 144 hours per semester typically comprising a mixture of scheduled online and face to face learning activities and independent study. Independent study may include undertaking all stages of the software lifecycle for the project, preparation of project documentation, preparation for individual and group presentation, software walkthroughs and SWEBOK interviews. The unit requires on average three/four hours of

scheduled activities per week. Scheduled activities may include a combination of teacher directed learning and online engagement. Students are also expected to attend fortnightly group meetings with project supervisor, hold regular meetings with client (may be off-campus) and attend regular meetings of the project group.

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Learning resources



Recommended resources

Reading list

Relevant Journal Articles and Conference Proceedings depending on the project chosen.

Gilb T and Graham D, Software inspection, Addison-Wesley, 1993

Stiller, Project-based Software Engineering, Prentice-Hall, 2001

Humphrey W, Managing the software process, Addison-Wesley, 1989

Pfleeger S.L., Software Engineering Theory and Practice, Prentice Hall 2001

Somerville I.S., Software Engineering, Addison-Wesley, 2007

Sallis P, Tate G and MacDonell S, Software Engineering: Practice, Management, Improvement, Addison-Wesley, 1995

Humphrey W, Introduction to the Personal Software Process, Addison Wesley 2000

Pressman R.S., Software Engineering, A Practitioner's approach, Fifth Ed., McGraw Hill, 2001

Maciaszek, Requirements Analysis and System Design: Developing Information Systems with UML 2001, Prentice-Hall, 2001

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Technology resources

Students must check Moodle regularly for announcements.

The discussion forum on Moodle will also have topics where supervisors and groups will share information about various tools available to help manage projects, as well as design, implementation, and testing tools.

Availability in areas of study

Software engineering

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