

SUBJECT OUTLINE**Subject code and name**

SDM404 Software Development Management

SECTION 1 – GENERAL INFORMATION**1.1 Subject level and weighting**

Subject level	Subject credit points
400	10

1.2 Student Workload

Duration	Facilitated study h/p/w	Personal study h/p/w	Total study h/p/w
12-week duration	3	7	10
6-week duration	6	14	20

1.3 Delivery mode

- ☒ Face to face
- ☒ Online
- ☐ Intensive mode (e.g. residential, or summer school, weekend workshop – specify details below)

- ☐ Work-integrated learning activity
- ☒ Hybrid
- ☒ Full-time
- ☒ Part-time
- ☐ Other (please specify)

1.4 Pre-requisites and co-requisite

- ☐ Yes ☒ No

If YES, prove details of the pre-requisite or co-requisite requirements below.

1.5 Specialist facilities and/or equipment requirements

☒ Yes ☐ No

If YES, provide details of specialist facilities and/or equipment below.

Computer/laptop and relevant specialist software.

SECTION 2 – ACADEMIC DETAILS

2.1 Subject Descriptor

In this subject, you are introduced to the main project management principles and modern software project management practices. During the subject, the different methods for managing and optimising the software development process are discussed along with the different techniques for performing each phase of the software development life cycle. The emphasis is on the management aspect of the subject.

2.2 Subject Learning Outcomes

Subject Learning Outcomes

- a) Critically examine and articulate the fundamental project management principles to plan and oversee software development projects effectively.
- b) Evaluate modern software project management practices to determine the most suitable methodologies for various software development scenarios.
- c) Formulate strategies to manage software project risks effectively focusing on technical excellence within multidisciplinary teams.
- d) Develop and justify comprehensive estimates for software project effort, cost and scheduling to support effective decision making and resource optimisation.
- e) Design and implement strategic communication plans to enhance collaboration and engagement among diverse stakeholders.
- f) Develop management strategies that address challenges in software projects, emphasising leadership and team coordination skills.

2.3 Assessment tasks

a. 12-week duration

No.	Type and Description	Assessment due	Weighting (%)	Subject Learning Outcome(s) assessed
1	Title: Project Proposal and Implementation Plan Delivery type: Group Outcome: Project plan and contribution	Week 4	20%	a), b), c), d)

	report Volume of Assessment: Project plan (8-10 pages) and individual contribution report (500 words +/- 10%)			
2	Title: Project Requirements and Prototype Delivery type: Group Outcome: Software Requirements Specification and Graphical User Interface/ Prototype of the project application Volume of Assessment: Software Requirements Specification (12-15 pages), Graphical User Interface/ Prototype of the project application, and individual contribution report (500 words +/- 10%)	Week 7	30%	b), d), f)
3	Title: Project Test Plan Delivery type: Group Outcome: Report Volume of Assessment: Project Test Plan (3-5 pages) and individual contribution report (500 words +/- 10%)	Week 10	15%	a), b), c), f)
4	Title: Project Final Demonstration Delivery type: Group Outcome: Demonstration and contribution report Volume of Assessment: Interactive Software demonstration (15 minutes) and individual contribution and reflection report (750 words +/- 10%)	Week 12	25% + 10%	a), b), e)

b. 6-week duration

No.	Type and Description	Assessment due	Weighting (%)	Subject Learning Outcome(s) assessed
1	Title: Project Proposal and Implementation Plan Delivery type: Group Outcome: Project plan and contribution report Volume of Assessment: Project plan (8-10 pages) and individual contribution report (500 words +/- 10%)	Week 2	20%	a), b), c), d)
2	Title: Project Requirements and Prototype Delivery type: Group Outcome: Software Requirements Specification and Graphical User Interface/ Prototype of the project application Volume of Assessment: Software Requirements Specification (12-15 pages), Graphical User Interface/ Prototype of the project application, and individual contribution report (500 words +/- 10%)	Week 3	30%	b), d), f)
3	Title: Project Test Plan Delivery type: Group Outcome: Report Volume of Assessment: Project Test Plan (3-5 pages) and individual contribution report (500 words +/- 10%)	Week 5	15%	a), b), c), f)
4	Title: Project Final Demonstration Delivery type: Group Outcome: Demonstration and contribution report Volume of Assessment: Interactive Software demonstration (15 minutes) and individual contribution and reflection report (750 words +/- 10%)	Wednesday, Week 6	25% + 10%	a), b), e)

2.4 Prescribed texts

These are core texts that are fundamental to meeting subject outcomes. Students may choose to purchase a copy. A limited number of these texts will be available for loan from the campus library.

There are no prescribed texts.

2.5 Suggested readings and resources

These are supplementary readings and resources that support subject knowledge. These may be available from the campus library. Refer to [SDM404 Software Development Management](#) for the list of readings and resources.

Policies and Procedures, and related application forms, are available via the [Torrens University Australia website](#).

2.6 Course Learning Outcomes

Refer to [Student Hub](#) to access the Course Learning Outcomes.