



ICT712 INFORMATION TECHNOLOGY PROJECT MANAGEMENT T320 Brief

All information in the Subject Outline is correct at the time of approval. KOI reserves the right to make changes to the Subject Outline if they become necessary. Any changes require the approval of the KOI Academic Board and will be formally advised to those students who may be affected by email and via Moodle.

Information contained within this Subject Outline applies to students enrolled in the trimester as indicated

1. General Information

1.1 Administrative Details

Associated HE Award(s)	Duration	Level	Subject Coordinator
Master of Information Technology (MIT) Graduate Diploma of Information Technology (GDIT)	1 trimester	Postgraduate	Dr Fadi Kotob fadi.kotob@koi.edu.au P: 92833583 L: Level 1-2, 17 O'Connell St. Consultation: via Moodle or by appointment.

1.2 Core/Elective

This subject is

- a core subject for the Master of Information Technology (MIT)
- a core subject for the Graduate Diploma of Information Technology (GDIT)

1.3 Subject Weighting

Indicated below is the weighting of this subject and the total course points

Subject Credit Points	Total Course Credit Points
4	MIT (64 Credit Points); GDIT (32 Credit Points)

1.4 Student Workload

Indicated below is the expected student workload per week for this subject

No. Timetabled Hours/Week*	No. Personal Study Hours/Week**	Total Workload Hours/Week***
4 hours/week (2 hour Lecture + 2 hour Tutorial)	6 hours/week	10 hours/week

* Total time spent per week at lectures and tutorials

** Total time students are expected to spend per week in studying, completing assignments, etc.

*** Combination of timetable hours and personal study

1.5 Mode of Delivery Blended, that is face-to-face/online

1.6 Pre-requisites Satisfactory completion of four subjects

1.7 General Study and Resource Requirements

- Students are expected to attend classes with the weekly worksheets and subject support material provided in Moodle. Students should read this material before coming to class to improve their ability to participate in the weekly activities.
- Students will require access to the internet and their KOI email and should have basic skills in word processing software such as MS Word, spreadsheet software such as MS Excel and visual presentation software such as MS PowerPoint.

- Computers and WIFI facilities are extensively available for student use throughout KOI. Students are encouraged to make use of the campus Library for reference materials.

Software resource requirements specific to this subject: MS Imagine, Office 365, MS Visio, MS Project, Slack, Trello.

2. Academic Details









2.1 Overview of the Subject

This subject presents project management concepts and frameworks aligning with PMBOK and Agile methodologies. Students will develop the skills to scope an ICT project, prepare proposals and manage a project on time and within budget. The group project allows students to apply their project management and communication skills in a project life cycle through working on an IT project within a dedicated team. Key issues, such as legal, ethical, time management and social issues, related to contemporary project management methodologies are analysed and discussed.

2.2 Graduate Attributes for Postgraduate Courses

Graduates of postgraduate courses from King's Own Institute will achieve the graduate attributes expected from successful completion of a postgraduate degree under the Australian Qualifications Framework (2nd edition, January 2013). Graduates at this level will be able to apply advanced body of knowledge in a range of contexts for professional practice or scholarship and as a pathway for further learning.

King's Own Institute's key generic graduate attributes for a postgraduate degree are summarised below:

	KOI Postgraduate Degree Graduate Attributes	Detailed Description
	Knowledge	Current, comprehensive and coherent knowledge, including recent developments and applied research methods
	Critical Thinking	Critical thinking skills to identify and analyse current theories and developments and emerging trends in professional practice
	Communication	Communication and technical skills to analyse and theorise, contribute to professional practice or scholarship, and present ideas to a variety of audiences
	Research and Information Literacy	Cognitive and technical skills to access and evaluate information resources, justify research approaches and interpret theoretical propositions
	Creative Problem Solving Skills	Cognitive, technical and creative skills to investigate, analyse and synthesise complex information, concepts and theories, solve complex problems and apply established theories to situations in professional practice
	Ethical and Cultural Sensitivity	Appreciation and accountability for ethical principles, cultural sensitivity and social responsibility, both personally and professionally
	Leadership and Strategy	Initiative, leadership skills and ability to work professionally and collaboratively to achieve team objectives across a range of team roles Expertise in strategic thinking, developing and implementing business plans and decision making under uncertainty
	Professional Skills	High level personal autonomy, judgement, decision-making and accountability required to begin professional practice

Across the courses, these skills are developed progressively at three levels:




















- **Level 1 Foundation** – Students learn the skills, theories and techniques of the subject and apply them in stand-alone contexts
- **Level 2 Intermediate** – Students further develop skills, theories and techniques of the subject and apply them in more complex contexts, beginning to integrate the application with other subjects

- **Level 3 Advanced** – Students have a demonstrated ability to plan, research and apply the skills, theories and techniques of the subject in complex situations, integrating the subject content with a range of other subject disciplines within the context of the course.

Generally, skills gained from subjects in the Graduate Certificate and Graduate Diploma are at levels 1 and 2 while other subjects in the Master's degree are at level 3.

2.3 Subject Learning Outcomes

Listed below, are key knowledge and skills students are expected to attain by successfully completing this subject:

Subject Learning Outcomes	Contribution to Graduate Attributes
a) Evaluate project requirements, phases, techniques and processes in the project development life cycle	  
b) Apply IT project management concepts, methodologies, techniques and tools to manage IT projects	     
c) Compare and contrast alternative project management methodologies according to the requirements of an IT industry project	     
d) Identify and employ ethical practices of project management	   

2.4 Subject Content and Structure

Below are details of the subject content and how it is structured, including specific topics covered in lectures and tutorials. Reading refers to the text unless otherwise indicated.

Weekly Planner:

Week (beginning)	Topic covered in each week's lecture	Reading(s)	Expected work as listed in Moodle
1 02 Nov	Modern project management. Organisational strategy and project selection.	Chs.1, 2 [E. Larson]	Group project. Introduced in the class and groups created. Chapter review questions on general project management concepts are discussed. Formative not graded
2 09 Nov	Organisation structure and culture. Defining the project	Chs.3, 4 [E. Larson]	Discussion of group project. Activities, exercises and chapter review questions on the importance of understanding the organisational culture are discussed Formative not graded
3 16 Nov	Estimating project times and costs. Developing a project schedule	Chs.5, 6 [E. Larson]	Discussion of group project. Activities, exercises and chapter review questions on project plan development and estimation are discussed
4 23 Nov	Scheduling resources and costs	Ch.8 [E. Larson]	Activities, exercises and chapter review questions on resource allocation methods, splitting techniques and critical chain approach. Formative not graded Assessment 1 due: Quiz 1

5 30 Nov	Reducing Project Duration Being an Effective Project Manager	Chs.9, 10 [E. Larson]	Discussion of group project. Activities, exercises and chapter review questions on project cost duration graphs and social network building are discussed. Formative not graded
6 07 Dec	Managing risk – application plan	Ch.7 [E. Larson]	Activities, exercises and chapter review questions on assessing risks and application plans are discussed: Formative not graded Assessment 2: Mid Term Exam
7 14 Dec	Introduction: The agile manager The psychology of agile team leadership Ethics in project management Understanding the agile team	Chs.1 to 3 [J. Crowder and S. Friess], Chs.5 and 6 [R. Cole and E. Scotcher]	Discussion of group project. Activities, exercises and chapter review questions on the differences between Agile and traditional approaches in project management are discussed. Use of Trello/Jira and Slack for the group project. Formative not graded
20 Dec 2020 – 03 Jan 2021	Mid trimester break		
8 04 Jan	Productivity tools and SCRUM for the modern team	Chs.4 [J. Crowder and S. Friess]	Discussion of group project. Activities, exercises and chapter review questions on SCRUM are discussed. Use of Trello/Jira and Slack for the group project. Formative not graded
9 11 Jan	Progress and performance measurement and evaluation Measuring success in an Agile world: Agile EVMS	Ch.13 [E. Larson], Ch.5 [J. Crowder and S. Friess]	Discussion of group project. Activities, exercises and chapter review questions on project performance management. Formative not graded Deferred mid trimester exams - see Section 2.6 below for more information
10 18 Jan	Managing project teams Outsourcing: Managing inter-organisational relations	Chs.11, 12 [E. Larson]	Activities, exercises and chapter review questions on outsourcing, leadership and team dynamics are discussed. Formative not graded Assessment 3 due: Group project and presentation
11 25 Jan	Project closure International projects	Chs.14, 16 [E. Larson]	Activities, exercises and chapter review questions on closing projects and running international projects are discussed. Formative not graded.
12 01 Feb	Revision		Revision
13 07 Feb	Study review week		
14 15 Feb	Final Examination	Please see Exam Timetable for exam date, time and location	
15 21 Feb	Student Vacation begins Enrolments for T121 open		

16 02 Mar	Results Released 02 Mar 2021 Certification of Grades 05 Mar 2021
T121 begins 09 Mar 2021	
1 08 Mar	Week 1 of classes for T121 Friday 05 Mar 2021 – Review of Grade Day for T320 – see Sections 2.6 and 3.2 below for more information.

2.7 Teaching Methods/Strategies

Briefly described below are the teaching methods/strategies used in this subject:

- *Lectures* (2 hours/week) are conducted in seminar style and address the subject content, provide motivation and context and draw on the students' experience and preparatory reading.
- *Tutorials* (2 hours/week) include class discussion of case studies and research papers, practice sets and problem-solving and syndicate work on group projects. Tutorials often include group exercises and so contribute to the development of teamwork skills and cultural understanding. Tutorial participation is an essential component of the subject and contributes to the development of many of the graduate attributes (see section 2.2 above). Tutorial participation contributes towards the assessment in many subjects (see details in Section 3.1 for this subject). Supplementary tutorial material such as case studies, recommended readings, review questions etc. will be made available each week in Moodle.
- *Online* teaching resources include class materials, readings, model answers to assignments and exercises and discussion boards. All online materials for this subject as provided by KOI will be found in the Moodle page for this subject. Students should access Moodle regularly as material may be updated at any time during the trimester
- *Other contact* - academic staff may also contact students either via Moodle messaging, or via email to the email address provided to KOI on enrolment.

2.8 Student Assessment

Assessment is designed to encourage effective student learning and enable students to develop and demonstrate the skills and knowledge identified in the subject learning outcomes. Assessment tasks during the first half of the study period are usually intended to maximise the developmental function of assessment (formative assessment). These assessment tasks include weekly tutorial exercises (as indicated in the weekly planner) and low stakes graded assessments (as shown in the graded assessment table). The major assessment tasks where students demonstrate their knowledge and skills (summative assessment) generally occur later in the study period. These are the major graded assessment items shown in the graded assessment table.

Final grades are awarded by the Board of Examiners in accordance with KOI's Assessment and Assessment Appeals Policy. The definitions and guidelines for the awarding of final grades are:

- *HD High distinction* (85-100%): an outstanding level of achievement in relation to the assessment process.
- *D Distinction* (75-84%): a high level of achievement in relation to the assessment process.
- *C Credit* (65-74%): a better than satisfactory level of achievement in relation to the assessment process.
- *P Pass* (50-64%): a satisfactory level of achievement in relation to the assessment process.
- *F Fail* (0-49%): an unsatisfactory level of achievement in relation to the assessment process.
- *FW*: This grade will be assigned when a student did not submit any of the compulsory assessment items.

Provided below is a schedule of formal assessment tasks and major examinations for the subject.

Assessment Type	When Assessed	Weighting	Learning Outcomes Assessed
Assessment 1: Quiz 1	Week 4	5%	a, b
Assessment 2: Mid Term Exam	Week 6	20%	a, b
Assessment 3: Group project (3000 words (+/-) 10%)	Week 10	35%	a, b, c, d
Assessment 4: Final exam (2,5 hours plus 10 min reading time)	Final exam period	40%	a, b, c, d

Requirements to Pass the Subject:

To gain a pass or better in this subject, students must gain a *minimum of 50%* of the total available subject marks.

2.9 Prescribed Readings

Prescribed Texts:

Crowder, JA, & Friess, S 2014, *Agile Project Management: Managing for Success*, Springer, Cham. Available from: ProQuest Ebook Central. [2 June 2020].

Larson, E 2017, *Project Management: The Managerial Process*, McGraw-Hill US Higher Ed ISE, NY. Available from: ProQuest Ebook Central. [2 June 2020].