



ICT 275 INNOVATION AND TECHNOLOGY 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
Bachelor of Information Technology (BIT)	1 trimester	Level 2	Dr Shafiqur Rahman shafiqur.rahman@koi.edu.au P: 92833583 L: Level 1-2, 17 O'Connell St. Consultation: via Moodle or by appointment.

1.2 Core / Elective

Core subject for BIT

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	BIT (96 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 NIL

1.7 General Study and Resource Requirements

- Dedicated computer laboratories are available for student use. Normally, tutorial classes are conducted in the computer laboratories.
- Students are expected to attend classes with the requisite textbook and must read specific chapters prior to each tutorial. This will allow them to actively take part in discussions. Students should have elementary skills in both word processing and electronic spreadsheet software, such as Office 365 or MS Word and MS Excel.
- 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.

- Students will require access to the internet and email. Where students use their own computers, they should have internet access. KOI will provide access to required software.

Resource requirements specific to this subject: MS Imagine, Office 365.

2 Academic Details









2.1 Overview of the Subject

Globalisation, radical technological innovation and an increasingly transient consumer base have increased the pressure for organisations to become innovative. This subject takes a view of information technology and impact of social, ethical and environmental implications of technological innovation that extends beyond the province of business applications built and used by a single organisation. You will see the importance of innovation, learn how organisations can commercialise their technological innovations and examine how the associated risks and benefits might be managed. Through the open innovation paradigm you will see how internal and external ideas can be brought together and how innovations can be transferred inward and outward through licensing, joint ventures and spin-offs.

2.2 Graduate Attributes for Undergraduate Courses

Graduates of Bachelor courses from King's Own Institute (KOI) will achieve the graduate attributes expected under the Australian Qualifications Framework (2nd edition, January 2013). Graduates at this level will be able to apply a broad and coherent body of knowledge across a range of contexts for the purposes of professional practice or academic scholarship, and as a pathway for further learning.

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

	KOI Bachelor Degree Graduate Attributes	Detailed Description
	Knowledge	Current, comprehensive, and coherent and connected knowledge
	Critical Thinking	Critical thinking and creative skills to analyse and synthesise information and evaluate new problems
	Communication	Communication skills for effective reading, writing, listening and presenting in varied modes and contexts and for the transferring of knowledge and skills to a variety of audiences
	Information Literacy	Information and technological skills for accessing, evaluating, managing and using information professionally
	Problem Solving Skills	Skills to apply logical and creative thinking to solve problems and evaluate solutions
	Ethical and Cultural Sensitivity	Appreciation of ethical principles, cultural sensitivity and social responsibility, both personally and professionally
	Teamwork	Leadership and teamwork skills to collaborate, inspire colleagues and manage responsibly with positive results
	Professional Skills	Professional skills to exercise judgement in planning, problem solving and decision making




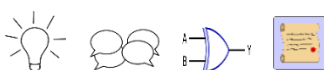
Across the course, these skills are developed progressively at three levels:

- **Level 1 Foundation** – Students learn the basic skills, theories and techniques of the subject and apply them in basic, standalone contexts
- **Level 2 Intermediate** – Students further develop the skills, theories and techniques of the subject and apply them in more complex contexts, and begin to integrate this application with other subjects.
- **Level 3 Advanced** – Students demonstrate an 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.

2.3 Subject Learning Outcomes

This is a Level 2 subject.

On successful completion of this subject, students should be able to:

Subject Learning Outcomes	Contribution to Graduate Attributes
a) Investigate and discuss critical factors that impact on innovation and technology in business.	
b) Research, analyse and present a business case for a technology innovation.	
c) Discuss the impact of social, ethical and environmental uses on technological innovation.	
d) Analyse strategies for funding, promoting and managing innovation.	

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	Importance of technological innovation disruptive technologies	Ch.1	Discuss examples of technical innovation. Formative not graded.
2 09 Nov	Sources of innovation.	Ch.2	Class discussion on translating creativity into innovation, innovation in collaborative networks. Informal quiz. Formative not graded.
3 16 Nov	Types and patterns of innovation	Ch.3	Complete exercises and Class discussion on 'The Nano Project'. Radical versus Incremental Innovation. Formative not graded.
4 23 Nov	Standards battles, service and design dominance	Ch.4	Complete end of chapter discussion questions 1, 2 and 5. Assessment 1 due. Complete Moodle quiz. Summative worth 5%.
5 30 Nov	Timing of entry	Ch.5	Complete exercises and class discussion on failure of first social networking sites. Formative not graded.

6 07 Dec	Defining the organisation's strategic direction	Ch.6	Complete end of chapter discussion question 3 and 4 in group (not more than 3) and present your findings. Formative not graded. Assessment 2 due. Summative worth 20%.
7 14 Dec	Choosing innovation projects	Ch.7	Complete end of chapter exercises. Informal quiz. Formative not graded.
20 Dec 2020 – 03 Jan 2021	Mid trimester break		
8 04 Jan	Collaboration Strategies+ Protecting Innovation	Ch.8, 9	Complete end of chapter 8 discussion questions 1, 2 and 3. Informal quiz. Formative not graded
9 11 Jan	Organising for innovation	Ch.10	Complete end of chapter discussion questions 1,2, 3 and 4. Informal quiz. Formative not graded. Assessment 3 due: Complete Moodle quiz. Summative worth 5%.
10 18 Jan	Managing the New Product Development Process and Team	Chs.11,12	Complete exercises. Formative not graded
11 25 Jan	Crafting a deployment strategy	Ch.13	Assessment 4 due: Summative worth 20%.
12 01 Feb	Revision	All subject materials	Revise all tutorial questions.
13 07 Feb	Study review week		
14 15 Feb	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 assessment (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 within the BIT degree are:

- HD High distinction (85-100%) an outstanding level of achievement in relation to the assessment process.
- DI Distinction (75-84%) a high level of achievement in relation to the assessment process.
- CR 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.

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: Multiple choice Moodle quiz	Week 4 Tutorial	5%	a
Assessment 2: individual written report, 1,500 words	Week 6	20%	c
Assessment 3: Multiple choice Moodle quiz	Week 9 Tutorial	5%	c
Assessment 4: case study group written report, 2,500 words	Week 11	20%	b, c, d
Assessment 5: Final exam (2,5 hours plus 10 minutes reading time)	Final exam period	50%	a, 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:

Schilling, M., 2020 *Strategic Management of Technological Innovation*. 6th ed. McGraw-Hill: New York