



ICT100 FOUNDATIONS OF INFORMATION SYSTEMS - Brief

All information contained within this Subject Outline applies to all 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 1	Dr Shaleeza.Sohail Shaleeza.Sohail@koi.edu.au P: 92833583 (Ext.156) L: Level 1, 545 Kent St. Consultation: via Moodle or by appointment.

1.2 Core / Elective

Core subject for BIT

1.3 Subject Weighting

The weighting of this subject and the total course points are indicated below.

Subject Credit Points	Total Course Credit Points
4 Credit Points	BIT (96 credit points)

1.4 Student Workload

The expected student workload per week for this subject is indicated below.

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 and completing assignments.

*** That is, * + ** = workload hours.

1.5 Mode of Delivery On-campus.

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 Office.
- 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.

Software resource requirements specific to this subject: Office 365, Microsoft Imagine.

2. Academic Details









2.1 Overview of the Subject

Organisations are constantly reshaped by internal and external forces. Information is one of these forces. Businesses and organisations use various types of information systems to support their processes and adapt to changes in their environment. Companies are continually looking for innovative ways to use information systems for competitive advantage. This subject familiarises students with these management information systems, which form an important part of business today and provides a rigorous foundation for system design and database management. It also explores how information systems support business models used by companies operating in the digital world.

2.2 Graduate Attributes for Undergraduate Courses

Graduates of Bachelor courses from King's Own Institute (KOI) will be able to demonstrate the attributes of a successful Bachelor degree graduate as outlined in the Australian Qualifications Framework (2nd edition, January 2013). Graduates at this level will be able to apply an advanced 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 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 transferring knowledge skills to others
	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 sources
	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 the applications 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 1 subject.

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

Subject Learning Outcomes	Contribution to Course Graduate Attributes
a) Explain and apply the basic concepts and terminology used in information systems.	  
b) Explain how and why information systems are used in business for competitive advantage.	   
c) Discuss the security of information systems and the ethical issues related to them.	   
d) Produce reports and presentations using charts, graphs and presentation software.	  

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	Readings	Expected work
1 05 Nov	Managing in the digital world technology, data, networks, people and services	Chapter 1	Discuss review questions in the tutorial. Formative not graded. Solve application exercises, Summative worth 1%
2 12 Nov	Gaining competitive advantage through information systems	Chapter 2	Discuss review questions in the tutorial. Formative not graded. Solve application, Summative worth 1%
3 19 Nov	Managing the information systems infrastructure and services	Chapter 3	Discuss review questions in the tutorial. Formative not graded. Solve application, Summative worth 1%
4 26 Nov	Enabling business-to-consumer electronic commerce	Chapter 4	Discuss review questions in the tutorial. Formative not graded. Solve application, Summative worth 1%
5 03 Dec	Enhancing organisational communication and collaboration using social media	Chapter 5	Discuss review questions in the tutorial. Formative not graded. Solve application, Summative worth 1%

6 10 Dec	Enhancing business intelligence using information systems	Chapter 6	Discuss review questions in the tutorial. Formative not graded. Solve application exercises, Summative worth 1% Assignment 1 due Summative worth 15%
7 17 Dec	Enhancing business processes using enterprise information systems	Chapter 7	Discuss review questions in the tutorial. Formative not graded. Solve application, Summative worth 1%
23 Dec 2018 – 06 Jan 2019	Mid-trimester break		
8 07 Jan	Strengthening business-to-business relationships via supply chain and customer relationship management	Chapter 8	Discuss review questions in the tutorial. Formative not graded. Solve application, Summative worth 1%
9 19 Jan	The challenges of big data	Reading provided	Discuss review questions in the tutorial. Formative not graded. Solve application. Summative worth 1%
10 21 Jan	Developing and acquiring information systems	Chapter 9	Discuss review questions in the tutorial, Formative not graded. Solve application. Summative worth 1%
11 28 Jan	Securing information systems	Chapter 10	Discuss review questions in the tutorial. Formative not graded. Assignment 2 due Summative worth 15%
12 04 Feb	Revision: all subject materials	All subject material	Presentation due Summative worth 10%
13 11 Feb	Study review week		
14 18 Feb	Examination		Please see exam timetable for exam date, time and location
15 25 Feb	Student Vacation begins Enrolments for T119 open		
16 04 Mar	Results Released 05 Mar 2019 Certification of Grades 08 Mar 2019		
T119 begins 11 Mar 2019			
1 11 Mar	Week 1 of classes for T119 Friday 08 Mar 2019 – Review of Grade Day for T318 – see Sections 2.6 and 3.6 below for more information.		

2.7 Teaching Methods/Strategies

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

- *On-campus 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. Tutorial participation is an essential component of the subject and contributes to the development of graduate attributes (see section 2.2 above). It is intended that specific 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.
- 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: Tutorial participation	Weekly (1-10)	10%	a, b, c
Assessment 2: Individual case study assessment (1,000 words)	Week 6	15%	b, d
Assessment 3: Individual report (1,000 words) and presentation (10 minutes)	Week 11 (report due)	15%	b, c, d
	Weeks 12 (presentation due)	10%	
Assessment 4: Final Exam (3 hours)	Final exam period	50%	a, b, c

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 and Recommended Readings

Provided below, in formal reference format, is a list of the prescribed and recommended readings.

Prescribed Texts:

Valacich, J., and Schneider, C., 2018, *Information Systems Today: Managing in the Digital World*, 8th Edition Pearson: NJ, USA