

WESTERN SYDNEY
UNIVERSITY



The College

INFORMATION TECHNOLOGY IN BUSINESS

700278

2021



UNIT OUTLINE

Last amended:	February 2021
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Unit name	Information Technology in Business
Unit number	700278
Coordinator	Frank Gutierrez
Session	2021.1
Handbook summary	This unit introduces basic business concepts and how information systems can be used in business. It also deals with systems analysis and design, and database design and development concepts. These concepts are introduced using a variety of case studies to provide authentic learning opportunities.
Credit point value	10
Prerequisite/s	None
Corequisite/s	None
Unit incompatible with and not to be counted for credit with	
Assumed knowledge	
Unit level	Level Z — Foundation level
Attendance requirements	Students are expected to attend at least 80% of classes. Educational research consistently demonstrates that this attendance level is associated with a high likelihood of achieving a passing grade.
Enrolment restrictions	
Learning outcomes	<p>On successful completion of this unit, students should be able to:</p> <ol style="list-style-type: none"> 1. identify and explain business structures, support functions and operations 2. explain how information systems are used in business 3. explain various phases of the system development life cycle including activities and deliverables 4. identify and explain different software development methodologies, and 5. demonstrate competency in using Microsoft Access by: <ol style="list-style-type: none"> a. applying database modelling concepts, including design and normalisation of databases b. creating and using forms

c. creating and using queries and reports.

Unit content	<p>In this unit students will learn about:</p> <ul style="list-style-type: none"> the nature of business, its role in society and types of business structures, support functions and operations internal and external influences on business role of information systems in business systems analysis and design fundamentals, and introduction to database design and development concepts using Microsoft Access.
Mode of delivery	<p>This unit consists of two two-hour sessions of computer laboratory work each week as well as online activities via vUWS. This should be supplemented by student reading, work on assessment tasks and library/internet research. This independent study is expected to make up an additional six hours per week.</p>
Online learning requirements	<p>A device with camera and microphone capable of using such applications as Zoom or Blackboard Collaborate Ultra. It is highly recommended to use a device with a screen large enough to view learning material and use Microsoft Office applications, such as a laptop or desktop computer.</p>
Essential requirements	<p>Recommended texts</p> <ul style="list-style-type: none"> Benson, S & Standing, C 2008, <i>Information systems: a business approach</i>, 3rd edn, John Wiley and Sons, Australia. Chapman, S, Devenish, N & Dhall, M 2014, <i>Business studies in action: preliminary course</i>, 4th edn, John Wiley & Sons, Milton, Qld. <p>Further resources</p> <ul style="list-style-type: none"> Connolly, T & Begg, C 2015, <i>Database systems: A practical approach to design, implementation and management</i>, international version, 6th edn or later, Pearson Higher Education. Coronel, C & Morris, S 2019, <i>Database systems: design implementation and management</i>, 13th edn, Cengage Learning, Australia. Dennis, A, Roth, R & Wixom, BH 2015, <i>Systems analysis and design</i>, 6th edn, John Wiley & Sons. Pride WM, Hughes, RJ & Kapoor, JR 2017, <i>Foundations of business</i>, 5th edn, Cengage Learning, Boston, MA. Rainer, R, K & Prince, B 2015, <i>Introduction to information systems</i>, 6th edn, John Wiley & Sons. Rosenblatt, HJ 2014, <i>Systems analysis and design</i>, 10th edn, Course Technology Cengage Learning, Boston, MA. Sawyer, S & Williams, B 2014, <i>Using information technology: a practical introduction to computers and communication</i>, 11th edn, McGraw-Hill Publishers, Sydney.

ASSESSMENT ITEMS AND WEIGHTING

Assessment for this unit will be based on the following components:

Task	Weighting	Learning outcomes assessed	Mandatory task
1. Tutorial and classroom participation (10 activities)	10%	1–5	Yes
2. Portfolio — two activities (max 1.5 hours) a. Part 1 (10%), and b. Part 2 (10%)	20%	1–5	Yes
3. Open-book, online Intra-session exam (90 minutes)	15%	1–4	Yes
4. Applied database project (approx. 3 hours)	15%	5	Yes
5. Open-book, online final examination (3 hours)	40%	1–4	Yes
TOTAL	100%		

For details of assessment due dates, please refer to the learning guide for this unit.

All marks will be determined in accordance with The College [Assessment Policy](#).

All assessment tasks are mandatory unless otherwise specified. Should a student fail to attempt/submit the first formal assessment task in a unit, they will be deemed to be at risk and will need to follow an intervention plan in order not to receive a Fail Non-Submission (FNS) grade. However, failure to attempt/submit all other mandatory assessment tasks will result in an immediate FNS grade for the unit.