



TEQSA ID PRV:14323
CRICOS Provider Code: 03866C

BUS212 DECISION SUPPORT SYSTEMS

SYDNEY INSTITUTE OF HIGHER EDUCATION > PROGRAMS > BUS212 DECISION SUPPORT SYSTEMS

Unit Outline

Important Update:	Our aim is to provide you with an optimal learning experience, regardless of how this unit is delivered. Teaching will be delivered in line with the most current COVID Safe health guidelines. This may include a mix of online and face-to-face. Please check the learning management system for announcements and updates. Thank you for your flexibility and commitment to studying with Sydney Institute of Higher Education.
Enrolment Modes:	Year 2, Semester 2.
Credit Point(s):	12.5
EFTSL Value:	0.125
Prerequisites:	BUS102 Introduction to IT
Typical study commitment:	Students will on average spend 10 hours per week over the teaching period undertaking the teaching, learning and assessment activities for this unit.
Scheduled learning activities:	4 timetabled hours per week, 6 personal study hours per week.

Unit description

Students are introduced to business strategies developed with the aid of decision support systems processes, methodologies and applications. Decision support systems address the common cognitive biases that affect decision making and draw on the various behavioural sciences associated with making decisions. The theories and their applications presented in this unit can assist students both as a manager and as an individual in making informed and rational decisions relating to all facets of an organisation.

Unit learning outcomes (ULO)

On the successful completion of this unit student will be able to:

ULO1	Define and explain the concepts, methodologies and technologies behind the decision support systems.
ULO2	Utilise appropriate technologies to support decision making for collaborative groups, executives and managers in contemporary business organisations.
ULO3	Analyse the objectives and benefits of business analytics and data mining, distinguishing between descriptive, predictive and prescriptive analytics.
ULO4	Develop basic concepts of optimisation, simulation and heuristic models in a spreadsheet.
ULO5	Define and explain the concepts, methodologies and technologies behind the decision support systems.

Topics to be included in the unit

1.	Introduction to decision support systems
2.	Introduction to decision making systems, modelling and support
3.	Decision support systems: concepts, methodologies and technologies
4.	Decision support systems: analysis
5.	Decision support systems: process and phases
6.	Characteristics of data warehousing in decision support systems
7.	Data mining and its impact in decision support systems
8.	Business performance management
9.	Combined computer supported technologies and group support systems
10.	Knowledge management
11.	Artificial intelligence and expert systems
12.	Management support systems: emerging trends and impacts

Assessment

Assessment Description	Grading and weighting (% total mark for unit)	Due date
Assessment 1: Individual Assignment	20%	Week 10
Assessment 2: Group Assignment	20%	Week 12
Assessment 3: Final Exam	60%	Final exam week