

Unit Outline (Higher Education)

Institute / School:	Institute of Innovation, Science & Sustainability
Unit Title:	DIGITAL FUTURES
Unit ID:	BUENT2640
Credit Points:	15.00
Prerequisite(s):	(At least 60 credit points from ANY subject-area at any level)
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	080399

Description of the Unit:

The aim of this unit is to develop among students an understanding of workplaces of the future. The unit provides an understanding of how new technologies interact with existing technologies and institutions, and how organisations respond to the changes brought by new disruptive technologies. Further, this unit aims to equip students with the theoretical and practical tools needed to respond to the changes brought by disruptive digital technologies. As a part of this unit, students will also complete IBM's practitioners' course in Artificial Intelligence (AI) and will earn an IBM badge.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Work Experience:

No work experience: Student is not undertaking work experience in industry.

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the Unit but gained a final mark of 45 per cent or above, has completed all major assessment tasks (including all sub-components where a task has multiple parts) as specified in the Unit Description and is not eligible for any other form of supplementary assessment

Course Level:

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Introductory	■	■	■	■	■	■
Intermediate	■	■	✓	■	■	■
Advanced	■	■	■	■	■	■

Learning Outcomes:

On successful completion of the unit the students are expected to be able to:

Knowledge:

- K1.** Understand the concept of digital futures including the importance of digital futures
- K2.** Recognise emerging opportunities for digital innovations
- K3.** Develop an understanding of disruptive technologies enabling digital futures
- K4.** Develop an understanding of methodologies and processes used while implementing disruptive digital technologies
- K5.** Recognise the importance of employing digital technologies responsibly and respectfully in a global environment

Skills:

- S1.** Exhibit teamwork agile industry practices using design thinking
- S2.** Model and deploy applications of technologies enabling digital futures
- S3.** Present to senior management and clients to advocate solutions based on disruptive technologies

Application of knowledge and skills:

- A1.** Identify and evaluate industry problems in digital space
- A2.** Design and prototype innovative solutions to industry problems through the application of digital technologies

Unit Content:

Topics may include:

- History and impact of digitalisation
- Various types of digital innovation
- Digital challenges and opportunities
- An overview of latest disruptive digital technologies enabling digital futures
- Applied design thinking for disruptive technology
- Specialisation in a latest disruptive technology, such as AI, enabling digital futures

FEDTASKS

Federation University Federation recognises that students require key transferable employability skills to prepare them for their future workplace and society. FEDTASKS (**T**ransferable **A**tttributes **S**kills and **K**nowledge) provide a targeted focus on five key transferable Attributes, Skills, and Knowledge that are embedded within curriculum, developed gradually towards successful measures and interlinked with cross-discipline and Co-operative Learning opportunities. *One or more FEDTASK, transferable Attributes, Skills or Knowledge must be evident in the specified learning outcomes and assessment for each FedUni Unit, and all must be directly assessed in each Course.*

FEDTASK attribute and descriptor		Development and acquisition of FEDTASKS in the Unit	
		Learning Outcomes (KSA)	Assessment task (AT#)
FEDTASK 1 Interpersonal	<p>Students will demonstrate the ability to effectively communicate, interact and work with others both individually and in groups. Students will be required to display skills in-person and/or online in:</p> <ul style="list-style-type: none"> • Using effective verbal and non-verbal communication • Listening for meaning and influencing via active listening • Showing empathy for others • Negotiating and demonstrating conflict resolution skills • Working respectfully in cross-cultural and diverse teams. 	S1, S3	3
FEDTASK 2 Leadership	<p>Students will demonstrate the ability to apply professional skills and behaviours in leading others. Students will be required to display skills in:</p> <ul style="list-style-type: none"> • Creating a collegial environment • Showing self-awareness and the ability to self-reflect • Inspiring and convincing others • Making informed decisions • Displaying initiative 	S1	3
FEDTASK 3 Critical Thinking and Creativity	<p>Students will demonstrate an ability to work in complexity and ambiguity using the imagination to create new ideas. Students will be required to display skills in:</p> <ul style="list-style-type: none"> • Reflecting critically • Evaluating ideas, concepts and information • Considering alternative perspectives to refine ideas • Challenging conventional thinking to clarify concepts • Forming creative solutions in problem solving 	K1, K2, K3, K4, K5, S1, A1, A2	1, 2, 3, 4
FEDTASK 4 Digital Literacy	<p>Students will demonstrate the ability to work fluently across a range of tools, platforms and applications to achieve a range of tasks. Students will be required to display skills in:</p> <ul style="list-style-type: none"> • Finding, evaluating, managing, curating, organising and sharing digital information • Collating, managing, accessing and using digital data securely • Receiving and responding to messages in a range of digital media • Contributing actively to digital teams and working groups • Participating in and benefiting from digital learning opportunities 	K1, K3, S1, S2, A2	1, 3
FEDTASK 5 Sustainable and Ethical Mindset	<p>Students will demonstrate the ability to consider and assess the consequences and impact of ideas and actions in enacting ethical and sustainable decisions. Students will be required to display skills in:</p> <ul style="list-style-type: none"> • Making informed judgments that consider the impact of devising solutions in global economic environmental and societal contexts • Committing to social responsibility as a professional and a citizen • Evaluating ethical, socially responsible and/or sustainable challenges and generating and articulating responses • Embracing lifelong, life-wide and life-deep learning to be open to diverse others • Implementing required actions to foster sustainability in their professional and personal life. 	Not applicable	Not applicable

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1, K2, K3, A1	Research-based assignment	Individual Assignment	10%-30%
K4, S1, A1, A2	MCQs based quiz by IBM	Individual Quiz	10%-30%
K2, S1, S2, S3, A1, A2	IBM project and presentation	Group Assignment	30%-50%
K1, K2, K3, K4, K5, A1	Test/final assessment	Final Summative Assessment	30%-50%

Adopted Reference Style:

APA

Refer to the [library website](#) for more informationFed Cite - [referencing tool](#)