Unit Outline (Higher Education)

Institute / School:	Institute of Innovation, Science & Sustainability
Unit Title:	DIGITAL INNOVATION AND CHANGE
Unit ID:	BUENT3736
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	080307

Description of the Unit:

Nowadays, increasing competitive pressures due to evolving customer behaviours are driving rapid change in organisations. Through digital innovation, organisations are applying new technologies to existing business models in order to deliver innovative solutions to customers. At its core, digital innovation is the application of new technologies to existing business problems and practices. Organisations that proactively embrace digital innovation will lead the way. Hence, the unit aims to equip students with an understanding of digital innovation and the role of digital innovation and digital technologies in bringing organisational change. Furthermore, in this unit, students will be trained in Data Science to address key industry problems using relevant technologies and skills. Students will also earn IBM's Data Science Practitioner badge by completing IBM's Data Science Practitioner course (that is embedded in BUENT 3736).

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

Work Experience:

Not wholly work experience: Student is not undertaking work experience in industry or student is undertaking work experience in industry where learning and performance is directed by the provider.

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 innovation from a practical perspective, by gaining an overview of the whole process (conceptualization, development, and implementation of new ideas).

K2. Identify and assess digital innovation challenges.

K3. Develop strategies to leverage digital tools to improve operational performance in organizations.

K4. Acquire an understanding of methodologies, processes and tools to innovate digitally.

Skills:

S1. Facilitate organizational learning to enable a culture of digital innovation.

S2. Integrate change based on the use of new technologies.

S3. Present to senior management and clients to advocate solutions based on digital innovation.

Application of knowledge and skills:

A1. Prepare the organisation for digital success by harnessing organisational change.

A2. Design innovative digital solutions to industry problems through the application of Data Science technologies.

Unit Content:

Topics may include:

- Openness to innovation and developing culture of digital innovation
- Organisational culture and change management
- Change in the digital age
- Accelerating cultural change through digital tools
- Managing cultural change in a technology set-up
- Future of digital tools in change management
- Agile development and production
- Data Science and its enabling technologies for innovation

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**ttributes **S**kills and **K**nowledge) provide a targeted focus on five key transferable Attributes, Skills, and Knowledge that are be 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	Students will demonstrate the ability to effectively communicate, inter-act and work with others both individually and in groups. Students will be required to display skills in-person and/or online in: • 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.	S3	3
FEDTASK 2 Leadership	Students will demonstrate the ability to apply professional skills and behaviours in leading others. Students will be required to display skills in: • Creating a collegial environment • Showing self -awareness and the ability to self-reflect • Inspiring and convincing others • Making informed decisions • Displaying initiative	S3, A1	3
FEDTASK 3 Critical Thinking and Creativity	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: • 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, S1, S2, A1, A2	1, 2, 3, 4

FEDTASK attribute and descriptor		Development and acquisition of FEDTASKS in the Unit	
		Learning Outcomes (KSA)	Assessment task (AT#)
FEDTASK 4 Digital Literacy	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: • 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.	K3, K4, S2, A2	1, 3
FEDTASK 5 Sustainable and Ethical Mindset	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: • 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, K4	Research-based assignment	Individual Assignment	20%-30%
K3, K4, A2	MCQs based quiz by IBM	Individual Quiz	10%-20%
K4, S2, S3, A1, A2	IBM project and presentation	Group Assignment	30%-40%
K1, K2, K3, K4, S1, S2, A1	Test/final assessment	Final Summative Assessment	30%-40%

Adopted Reference Style:

APA

Refer to the library website for more information

Fed Cite - [referencing tool](#)