Unit Outline (Higher Education)

Institute / School:	Institute of Innovation, Science & Sustainability
Unit Title:	Privacy and Trust
Unit ID:	ITECH7620
Credit Points:	15.00
Prerequisite(s):	(ITECH7614)
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	029901

Description of the Unit:

The impacts of cyber-attacks and hacking can have enormous negative effects on organisations, society, and civilians in terms of financial loss and threats to privacy and security. In this increasingly digital world, trust, transparency, and accountability are key tenets for the safeguarding of sensitive information when sharing digital data and services. This unit will cover fundamental laws and principles governing information privacy and security as well as cyber risk assessment, mitigation, and management. We will also cover computational principles, methods, and mechanisms related to trust and privacy for safeguarding sensitive applications and services. You will also gain knowledge of digital trust, sharing the responsibility across connected devices and services, and understanding the types of partnerships that enable them.

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

Work Experience:

No work experience

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:

Knowledge:

K1. Explain the rights of data subjects and how they have developed over time in response to technological evolution

K2. Apply privacy-preserving laws and privacy management to real-life cases

K3. Analyse key elements associated with the trust factor and privacy-preserving issues arising when personal data is exported to third parties

Skills:

S1. Identify, mitigate and/or resolve privacy risks in a project

S2. Apply electronic tools in preserving privacy and maintaining trust in IT project management

S3. Prevent the trouble and loss of productivity that is associated with data loss

S4. Audit various privacy threats involved in modern communication systems

Application of knowledge and skills:

A1. Evaluate secure and trustworthy systems in complex and distributed computing environments

A2. Work with clients to investigate, identify and communicate privacy and trust issues and challenges in modern communication systems in line with privacy and trust policies and standards

A3. Research emerging trends in the privacy and trust domains

Unit Content:

Topics may include:
Fundamental concepts of privacy and trust
Privacy and trust concerns in different contexts
Data protection principles and cyber risk assessment
Fundamental services to create usable solutions
Evaluate the usability of privacy tools
Legal grounds for lawful processing of personal data
Rights of data subjects during cross-border data transfer
E-Privacy regime
Trust, transparency, and accountability
Privacy engineering
Role of ethics and affinity privacy
Privacy and trust management in electronic systems and asset security
Privacy and trust in modern communication technologies
Standards and regulations for privacy and trust in IoT and cyber-physical systems
Role of emerging technologies, e.g., machine learning, blockchain, fuzzy logic, and game theory, in privacy and trust

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 at this level will demonstrate an advanced ability in a range of contexts to effectively communicate, interact and work with others both individually and in groups. Students will be required to display high level skills in-person and/or online in: • Using and demonstrating a high level of verbal and non-verbal communication • Demonstrating a mastery of listening for meaning and influencing via active listening • Demonstrating and showing empathy for others • High order skills in negotiating and conflict resolution skills\\ • Demonstrating mastery of working respectfully in cross-cultural and diverse teams.	Not applicable	Not applicable
FEDTASK 2 Leadership	Students at this level will demonstrate a mastery in professional skills and behaviours in leading others. • Creating and sustaining a collegial environment • Demonstrating a high level of self -awareness and the ability to self-reflect and justify decisions • Inspiring and initiating opportunities to lead others • Making informed professional decisions • Demonstrating initiative in new professional situations.	Not applicable	Not applicable
FEDTASK 3 Critical Thinking and Creativity	Students at this level will demonstrate high level skills in working in complexity and ambiguity using the imagination to create new ideas. Students will be required to display skills in: • Reflecting critically to generate and consider complex ideas and concepts at an abstract level • Analysing complex and abstract ideas, concepts and information • Communicate alternative perspectives to justify complex ideas • Demonstrate a mastery of challenging conventional thinking to clarify complex concepts • Forming creative solutions in problem solving to new situations for further learning.	Not applicable	Not applicable
FEDTASK 4 Digital Literacy	Students at this level will demonstrate the ability to work competently across a wide range of tools, platforms and applications to achieve a range of tasks. Students will be required to display skills in: • Mastering, exploring, evaluating, managing, curating, organising and sharing digital information professionally • Collating, managing complex data, accessing and using digital data securely • Receiving and responding professionally to messages in a range of professional digital media • Contributing competently and professionally to digital teams and working groups • Participating at a high level in digital learning opportunities.	Not applicable	Not applicable

FEDTASK attribute and descriptor		Development and acquisition of FEDTASKS in the Unit	
		Learning Outcomes (KSA)	Assessment task (AT#)
FEDTASK 5 sustainable and Ethical Mindset	Students at this level will demonstrate a mastery of considering and assessing the consequences and impact of ideas and actions in enacting professional ethical and sustainable decisions. Students will be required to display skills in: • Demonstrate informed judgment making that considers the impact of devising complex solutions in ambiguous global economic environmental and societal contexts • Professionally committing to the promulgation of social responsibility • Demonstrate the ability to evaluate ethical, socially responsible and/or sustainable challenges and generating and articulating responses • Communicating lifelong, life-wide and life-deep learning to be open to the diverse professional others • Generating, leading and 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, S1, S2, S3, S4, A1, A2, A3	The tasks will develop skills in the analysis and practical application of the contents introduced in this unit.	Assignments and/or technical reports	70% - 80%
K1, K2, K3, S1, S2, S3, S4, A1, A2, A3	Study unit and online material, and summarise theoretical aspects of the unit.	Examination and/or use-case assessment	20% - 30%

Adopted Reference Style:

APA ()

Refer to the library website for more information

Fed Cite - referencing tool