

Unit Outline (Higher Education)

Institute / School: Institute of Innovation, Science & Sustainability

Unit Title: Professionalism and Entrepreneurship

Unit ID: ITECH3002

Credit Points: 15.00

Prerequisite(s): (ITECH2004 and ITECH2250)

Co-requisite(s): Nil

Exclusion(s): (ITECH3203)

ASCED: 029999

Description of the Unit:

This unit provides students with a knowledge of ethical theories, including the ACS code of ethics, management, leadership and entrepreneurial skills, and business and IT professional practice skills. These skills are interpreted and applied to solve a range of complex social, legal and ethical dilemmas resulting from technological innovation. Particular focus is applied to the professional and innovative utilisation and management of data and systems software.

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.** Conduct a comparative review of various types of ethical theories and their application in diverse professional IT contexts.
- K2.** Appraise the principles of the Australian Computer Society Code of Ethics within IT professional practice.
- K3.** Investigate a range of complex social, legal and ethical problems which are a likely result of technological innovation.
- K4.** Examine trends, opportunities and challenges of technology driven entrepreneurship in local, national and global markets.

Skills:

- S1.** Apply management, leadership, consultancy, and entrepreneurial skills to solve problems in professional IT contexts.
- S2.** Employ business and project management skills to manage teams, negotiate and resolve conflict in a range of complex IT professional practice situations.
- S3.** Draw on relevant ethical theories, and the Australian Computer Society Code of Ethics, to make complex ethical decisions in a professional IT context.

Application of knowledge and skills:

- A1.** Demonstrate practical communication skills to present a clear, coherent and independent exposition of knowledge and ideas in creating an entrepreneurship in an IT professional work environment.
- A2.** Synthesise knowledge from a variety of sources on a particular topic related to complex social, legal and ethical problems in a professional environment.

Unit Content:

- Ethical, social and legal issues in IT professional practice. These may include security, privacy, freedom of speech, censorship, intellectual property, artificial intelligence, role of government and judiciary, copyright and cybercrime.
- Ethical theories and Australian Computer Society Code of Ethics.
- IT business and professional practice skills. These may include report writing, interview skills, team skills, negotiation, conflict resolution, presentation, outsourcing, quality assurance, certification and globalisation.
- IT management, leadership, consultancy, and entrepreneurship.
- IT project management as a career.

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 to 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: <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. 	Not applicable	Not applicable
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: <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 	Not applicable	Not applicable
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: <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. 	Not applicable	Not applicable
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: <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. 	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 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: <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, K4, S1, S2, S3, A1, A2	Develop skills in the analysis and practical application of theoretical content introduced.	Learning participation and exercises	20% - 30%
K1, K2, S1, S3, A2	Review and practice of theoretical skills, written skills and knowledge.	Ethics Exercise	10% - 20%
S1, S2, A1, A2	Conduct research, apply theoretical concepts, review and analyse organisational requirements, and social issues.	Assignment(s)	30% - 40%
K1, K2, K3, K4, S1, S2, S3, A2	Participate in all learning activities, review and practice of skills and knowledge.	Final Test	20% - 30%

Adopted Reference Style:

APA ()

Refer to the [library website](#) for more information

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