# Unit Outline (Higher Education)

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| **Institute / School:** | Institute of Innovation, Science & Sustainability |
| **Unit Title:** | Transforming Enterprises With Digital Technologies |
| **Unit ID:** | ITECH3507 |
| **Credit Points:** | 15.00 |
| **Prerequisite(s):** | (GPSIT1009 or ITECH2305) |
| **Co-requisite(s):** | Nil |
| **Exclusion(s):** | Nil |
| **ASCED:** | 020399 |

**Description of the Unit:**

This unit covers how information and communication technologies are transforming modern enterprises, governments and society. Technologies that lead to new business models, platforms and methodologies for proactively adapting to change are described. The focus is on implications that transformations have for cyber-security and e-government.

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

**Work Experience:**

No work experience

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| **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 | | | | | | |

| Level of Unit in Course | AQF Level of Course | | | | | |
|---|---|---|---|---|---|---|
| | **5** | **6** | **7** | **8** | **9** | **10** |
| Intermediate | | | | | | |
| Advanced | | | ✔ | | | |

## Learning Outcomes:

### Knowledge:

**K1.** Examine organisations' need for transformation, and cultural and ethical implications.

**K2.** Investigate key components (e.g. data, workflow, and people) of the digital transformation process.

**K3.** Analyse the key structures and roles in emerging methodologies and how they contribute to enterprise digital and cultural transformation.

**K4.** Articulate technological, legal and political elements of a selection of digital transformation initiatives.

**K5.** Critically evaluate cyber-security implications associated with enterprise transformation.

### Skills:

**S1.** Analyse business models and platforms.

**S2.** Examine business workflows and identify the role of emerging technologies in making workflows intelligent.

**S3.** Apply Enterprise Design Thinking as part of a team to identify business opportunities and potential solutions.

### Application of knowledge and skills:

**A1.** Analyse current business technologies, and design and present recommendations to initiate an Enterprise transformation.

## Unit Content:

Topics may include:
1. Business Transformation
2. Intelligent workflows
3. Cyber-security strategies
4. Emerging methodologies for enterprise transformation
5. E-government, E-democracy
6. Human-centred Design and Enterprise Design Thinking
7. Value orchestration
8. Legal implications of enterprise transformations

## 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:<br>• Using effective verbal and non-verbal communication<br>• Listening for meaning and influencing via active listening<br>• Showing empathy for others<br>• Negotiating and demonstrating conflict resolution skills<br>• 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:<br>• Creating a collegial environment<br>• Showing self -awareness and the ability to self-reflect<br>• Inspiring and convincing others<br>• Making informed decisions<br>• 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:<br>• Reflecting critically<br>• Evaluating ideas, concepts and information<br>• Considering alternative perspectives to refine ideas<br>• Challenging conventional thinking to clarify concepts<br>• 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:<br>• Finding, evaluating, managing, curating, organising and sharing digital information<br>• Collating, managing, accessing and using digital data securely<br>• Receiving and responding to messages in a range of digital media<br>• Contributing actively to digital teams and working groups<br>• Participating in and benefiting from digital learning opportunities. | Not applicable | Not applicable |
| 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:<br>• Making informed judgments that consider the impact of devising solutions in global economic environmental and societal contexts<br>• Committing to social responsibility as a professional and a citizen<br>• Evaluating ethical, socially responsible and/or sustainable challenges and generating and articulating responses<br>• Embracing lifelong, life-wide and life-deep learning to be open to diverse others<br>• 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, K5, S1, S2, S3, A1 | Quizzes and/or tutorial activities covering enterprise and societal transformation techniques. | Quizzes and/or Tutorial Activities | 10-30% |
| K3, K4, K5, A1 | Analyse one or more opportunities for business or government, present potential solutions. Reflect on learning and contextualize within the broader ICT industry. | Team case study report, and individual reflection and presentation | 40-60% |
| K1, K2, K3, K4, K5 | Reflection and interactive analysis of a hypothetical context and enterprise transformation | Individual Oral Test | 10-30% |

**Adopted Reference Style:**

APA  ()

Refer to the library website for more information

Fed Cite - referencing tool