



Course Outline (Higher Education)

Institute / School:	Institute of Innovation, Science & Sustainability
Course Title:	THE VISION OF THE COGNITIVE ENTERPRISE
Course ID:	ITECH7301
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	(ITECH7302)
Exclusion(s):	Nil
ASCED:	029999

Description of the Course:

This course introduces students to the vision of enterprise transformation, including the evolution of business platforms. Organisations have found a need to transform their business models, moving from merely reacting to digital disruptions to proactively deploying models and platforms powered by intelligent workflows. The course will present the concept of the Cognitive Enterprise through industrial case studies and settings. Components that underpin emerging business models and best practices for implementing Cognitive Enterprises will be explored. Students will also gain a broad understanding of the IT industry, its research foundations and its place in servicing society.

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

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the course but gained a final mark of 45 per cent or above and submitted all major assessment tasks.

Program Level:

Level of course in Program	AQF Level of Program					
	5	6	7	8	9	10
Introductory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intermediate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Learning Outcomes:**Knowledge:**

- K1.** Describe organisations' need for transformation, and cultural and ethical implications.
- K2.** Explain key components (e.g. data, workflow, and people) of the digital transformation process.
- K3.** Discuss core actions necessary for transformation into a Cognitive Enterprise.
- K4.** Explain the value-driven benefits of becoming a Cognitive Enterprise.

Skills:

- S1.** Analyse business models and platforms.
- S2.** Examine business workflows and identify the role of emerging technologies in making workflows intelligent.
- S3.** Appraise existing architecture to enable better utilisation of Multicloud and Hybrid Cloud.
- S4.** Build a plan for transformation into a Cognitive Enterprise.
- S5.** Critique contemporary IT industry practices/presentations relevant to the Cognitive Enterprise or digital transformation, and relate them to professional standards and your own career aspirations

Application of knowledge and skills:

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

Course Content:

Topics may include:

- Business Transformation;
- Digital and Cognitive Enterprises;
- Business platforms;
- Intelligent workflows;
- Emerging technologies;
- Data Governance and Strategy;
- Human Centred Design/Design Thinking (including HCI);
- Value realisation and Orchestration;
- Business agility.

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 course, and all must be directly assessed in each program.*

FEDTASK attribute and descriptor		Development and acquisition of FEDTASKS in the course	
		Learning Outcomes (KSA)	Assessment task (AT#)
FEDTASK 1 Interpersonal	<p>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:</p> <ul style="list-style-type: none"> • 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. 	K1-4, S1-4, A1	AT1, AT2, AT3, AT4
FEDTASK 2 Leadership	<p>Students at this level will demonstrate a mastery in professional skills and behaviours in leading others.</p> <ul style="list-style-type: none"> • 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 	NA	NA
FEDTASK 3 Critical Thinking and Creativity	<p>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:</p> <ul style="list-style-type: none"> • 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 	K1, K3, S1-S4	AT1, AT2, AT3, AT4
FEDTASK 4 Digital Literacy	<p>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:</p> <ul style="list-style-type: none"> • 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 	K1, K3, S2, S3, S4, A1	AT1, AT2, AT3

FEDTASK attribute and descriptor		Development and acquisition of FEDTASKS in the course	
		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: <ul style="list-style-type: none"> • 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. 	K1	AT3

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1, K2, K3, K4,	Tutorial activities focused on understanding the components of a Cognitive Enterprise.	Tutorial Lessons	10% - 20%
S1,S2, S3,S4,A1	Analyse business requirements and plan a transformation to the Cognitive Enterprise	Group Assignment	25%-35%
K1, K4, S4, S5, A1	Presenting recommendations to a professional audience.	Reflection; Presentations and/or Role Play	20% - 25%
K1, K2, K3, S1, S2, S3,	Application of the theory taught & discussed in lectures, class activities, supplementary reading and other suggested activities.	Examination(s) and/or Test(s)	25% - 30%

Adopted Reference Style:

APA

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

Fed Cite - [referencing tool](#)