Unit Outline (Higher Education)

Institute / School:	Institute of Innovation, Science & Sustainability
Unit Title:	IT PROJECT MANAGEMENT TECHNIQUES
Unit ID:	ITECH2250
Credit Points:	15.00
Prerequisite(s):	(GPSIT1010 or ITECH1101 or ITECH1501)
Co-requisite(s):	Nil
Exclusion(s):	(ITECH3213 and ITECH5213)
ASCED:	029999

Description of the Unit:

Through contemporary project management methodologies, you will be learning about project life cycles and key concepts in Project Management. You will be acquiring skills on how to run IT projects using project management tools and techniques. Contemporary issues in IT project management are discussed, and IT related project management skills are developed throughout the unit. This unit helps to provide 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)

Work Experience:

No work experience: Student is not undertaking work experience in industry.

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			✔			

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Advanced						

Learning Outcomes:

Knowledge:

K1. Compare traditional and agile approaches and lifecycles for managing information technology projects;

K2. Select and adapt project management methodologies, based on the Project Management Body of Knowledge;

K3. Establish a theoretical knowledge of the concepts key to Agile and Predictive Project Management in IT;

K4. Create project management documentation/artifacts based on the context of a situation;

K5. Analyse various complexities and diversity between information technology projects and how this impacts on the life cycle of a project

Skills:

S1. Select appropriate methodologies to manage information technology projects of various complexities and scales;

S2. Analyse real world information technology problems and apply project management principles and techniques to address these problems;

S3. Apply a systems thinking approach to identify critical roles and categorize stakeholders in information technology projects;

S4. Utilise a range of organisational and self-management skills, emulating real world practice of information technology project managers;

S5. Evaluate industry standards relating to IT Project Management and how these present guiding values and practices for contemporary IT professionals

Application of knowledge and skills:

A1. Adopt a project management framework to develop project management artifacts for a simulated real world information technology project;

A2. Select and justify project management approaches to solve unpredictable and complex Information Technology problems;

A3. Demonstrate competence in using various software systems to support Project Management

Unit Content:

Topics may include:

- Traditional and agile approaches and lifecycles;

- Project phases and product lifecycles;
- Planning, estimating and tracking status of project tasks
- Project stakeholder analysis
- Project management methodologies and standards e.g. PMBOK;

- Core functions of project management e.g. integration, scope, cost, time and quality management;

- Facilitating functions of project management e.g. communication, human resources, risk, procurement and

stakeholder management;

- Software and systems to support project management
- Tailoring methodologies in IT project management;
- Industry practices in IT Project Management related to ACS's CBOK, SFIA and becoming an IT professional

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, interact 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.	K1, K2, K3, K4, K5, S5	AT1, AT3
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	K4	AT1
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	K5, S3, S4, A1, A2	AT1, AT2, AT3

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	A1, A3, S2	AT1, A2, AT3
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, S1, S2, S3, S4, S5, A3	Engage in activities and exercises to build skills and knowledge	Journal or portfolio of tasks	15%-40%
K4, K5, S1, S2, S5, A1, A2	Develop project management related artifacts for a real world IT project	Individual project/s and report/presentation	30%-60%
K1, K3, S1, S2, S3	Review and demonstration of skills and knowledge	Examination/Quizzes	20%-40%

Adopted Reference Style:

APA

Refer to the library website for more information

Fed Cite - referencing tool