Course Outline (Higher Education)

School:	School of Engineering, Information Technology and Physical Sciences
Course Title:	IT PROJECT MANAGEMENT TECHNIQUES
Course ID:	HENAI2250
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	029999

Description of the Course:

This course focuses on project management approaches, methodologies and techniques. The student is exposed to the full continuum – predictive to agile - of project management approaches with exposure to hybrid versions but the teaching emphasis is concentrated on an agile approach. In many cases, examples from the SCRUM framework are used. Software Engineering is also introduced to assist students with understanding IT Project Management. This is a practical course where students are expected to gain knowledge and applied experience using a variety of techniques including case-based examples.

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						
Intermediate			✔			
Advanced						

Learning Outcomes:

Knowledge:

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

K2. Describe project management methodologies, such as the project management body of knowledge;

K3. Contrast different approaches to manage teams

K4. Analyse various critical factors for the success of IT projects

K5. Recognise various complexities and diversity between information technology projects;

K6. Discuss current issues in information technology project management;

Skills:

S1. Observe real world information technology problems and apply project management principles and techniques to solve these problems;

S2. Employ a systems thinking approach to identify critical roles and stakeholders in information technology projects;

S3. Demonstrate decision-making processes to solve a range of information technology project issues;

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

Application of knowledge and skills:

A1. Apply a project management framework to a simulated real-world contemporary information technology project;

A2. Undertake project management approaches to solve unpredictable and complex information technology software development problems;

A3. Demonstrate competence in using appropriate project management software;

Course Content:

Topics may include:

- Traditional and agile approaches and lifecycles;
- Product, Project and Development Lifecycles
- Aligning business strategies and IT projects;
- Project Planning and Budgetting
- Project management methodologies
- 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;
- Project management software;
- Current issues in IT project management;
- Risk Management Techniques in IT Projects

Values:

V1. Appreciate the importance of ethical project management practice within an information technology business environment;

V2. Value the importance of effective communication to solve problems on information technology projects;

V3. Value the importance of adopting a lifelong learning approach to maintain currency in information technology project management skills and techniques;

V4. Value the significance of software quality in information technology projects;

V5. Recognise the importance of research to the development and progress of the IT industry;

V6. Value IT as an underlying transformative technology to all of society in the information and immersive ages;

V7. Appreciate the range of problems faced by industry practitioners and how problem solving skills learnt may be applied in the industry context;

Graduate Attributes

The Federation University FedUni graduate attributes (GA) are entrenched in the Higher Education Graduate Attributes Policy (LT1228). FedUni graduates develop these graduate attributes through their engagement in explicit learning and teaching and assessment tasks that are embedded in all FedUni programs. Graduate attribute attainment typically follows an incremental development process mapped through program progression. **One or more graduate attributes must be evident in the specified learning outcomes and assessment for each FedUni course, and all attributes must be directly assessed in each program**

Graduate attribute and descriptor		Development and acquisition of GAs in the course	
		Learning Outcomes (KSA)	Assessment task (AT#)
GA 1 Thinkers	Our graduates are curious, reflective and critical. Able to analyse the world in a way that generates valued insights, they are change makers seeking and creating new solutions.	K1, K2, K3, K4, S3	2
GA 2 Innovators	Our graduates have ideas and are able to realise their dreams. They think and act creatively to achieve and inspire positive change.	S1, S4	1, 2
GA 3 Citizens	Our graduates engage in socially and culturally appropriate ways to advance individual, community and global well-being. They are socially and environmentally aware, acting ethically, equitably and compassionately.	K2, K3, S2, A1, A2, A3	1, 2
GA 4 Communicators	Our graduates create, exchange, impart and convey information, ideas, and concepts effectively. They are respectful, inclusive and empathetic towards their audience, and express thoughts, feelings and information in ways that help others to understand.	K6, S1, A1	1, 2
GA 5 Leaders	Our graduates display and promote positive behaviours, and aspire to make a difference. They act with integrity, are receptive to alternatives and foster sustainable and resilient practices.	S3, S4, A2	2

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K1, K2, K4, S1, S2, S4, A1, A2 and A3	Class activities, lectures, self-directed or group exploration.	Exercises/Assignments/Presentations/Portfolio	60% - 70%
K1, K2, K3, K4, K5, K6, S2 ans S3	Review and practice of skills and knowledge	Tests	30% - 40 %

Adopted Reference Style:

APA

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

Fed Cite - [referencing tool](#)