Course Outline (Higher Education)

School:	School of Science, Engineering and Information Technology
Course Title:	PROJECT 2 (ENTERPRISE SYSTEMS)
Course ID:	ITECH7405
Credit Points:	30.00
Prerequisite(s):	(ITECH7403)
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED Code:	020399

Description of the Course :

In this course, students will conduct an in depth investigation into an Information System, focusing on issue/s such as usage, usability, design or some aspect of human-computer interaction. Students will work in teams to scope and manage the project. Students will apply complex decision making and detailed research techniques, tools and methodologies to execute a thorough, data driven analysis of an Information Systems issue. The outcome will be professional quality research reports or documents as appropriate to the issue investigated.

Grade Scheme: Graded (HD, D, C, etc.)

Work Experience:

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

Placement Component: No

Program Level:

AQF Level of Program						
	5	**6**	**7**	**8**	**9**	**10**
Level						
Introductory						
Intermediate						
Advanced						✔	

Learning Outcomes:

Knowledge:

K1. Evaluate the critical difference between Information Systems research methodologies and the related tools.

K2. Justify major advantages involved in using a chosen methodology for complex Information Systems research and analysis.

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K3. Recommend at least one model for the complex investigation of the implementation and adoption of information systems by a particular group in the community. This may include detailed studies of user profiles, human computer interface, or other system design or adoption issues.

K4. Determine roles, responsibilities, procedures and standards for collaborative team work for a major Information Systems project.

K5. Evaluate appropriate design techniques and tools to investigate and/or gather data to address a particular IS problem

Skills:

S1. Compare critical design and data gathering skills to define a complex issue, investigate the issue and make recommendations based on data gathered.

S2. Investigate appropriate tools and methodologies to research an issue in the design and/or application of information systems.

S3. Critical decision making capabilities that would differentiate the project management and information systems research tools.

S4. Work in a collaborative way with technical professionals and/or users in a variety of areas of implementation of an information system.

S5. Liaise with a client or other stakeholders to deliver advanced professional reports based on research data.

S6. Develop specialised skills to describe and design a complex information system based on the research. Evaluate the work flow needed to implement the design.

Application of knowledge and skills:

A1. Develop critical understanding of methodologies in data gathering and advanced investigation for information systems studies.

A2. Choose appropriate scientific process and appropriate artefacts for an information systems study.

A3. Prepare appropriate technical and research documentation and processes to create investigation tools for an information system.

A4. Develop leadership roles especially suitable to manage complex application of information systems.

A5. Work in a team to plan and implement a complex information system.

A6. Develop, implement, monitor and maintain a project management plan.

Course Content:

Topics may include:

- Human computer interaction
- Social issues
- Social communication
- Business strategy
- Market research
- Measure of success for IT corporates
- Usability issues
- Data security
- Impact analysis
- Qualitative data collection and analysis

Values:

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ITECH7405 PROJECT 2 (ENTERPRISE SYSTEMS)

V1. Appreciate the advantages of particular information system research methodologies

V2. Appreciate the need for ethics and professionalism while dealing with clients and/or users

V3. Appreciate the difference between project management and information systems research processes

V4. Value regular communication within a team to foster good team dynamic and collaboration

V5. Appreciate the need for appropriate documentation to support a project development

V6. Appreciate the need for professionalism in relating to project stakeholders

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K4, S5, S6, A2, A4, A5, A6	Engage in group collaboration on a large complex information systems project	Technical artefacts appropriate to the project; may include individual component	40-60%
K1, K2, K3, K5, S1, S2, S4, A1	Develop tools and implement data gathering process to investigate issues in an information systems project	Appropriate reports documenting implementation, results analysis, and recommendations	30-50%
S3, S5, S6, K4, A3, A6	Engage in workshops and/or professional meetings to progress outcomes for a project	Evidence of appropriate engagement – may include minutes, summary of work outcomes, progress reports, planning documents and/or oral presentations.	20-30%

Adopted Reference Style: