Course Outline

Title: RESEARCH PROJECT & THESIS 3

Code: ITECH4313

Faculty / Portfolio: Faculty of Science and Technology

Program Level:

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

Pre-requisites: (ITECH4311)

Co-requisites: (ITECH4312)

Exclusions: Nil

Credit Points: 15

ASCED Code: 029999

Learning Outcomes:

Knowledge:

K1. investigate how information is structured and communicated in the field of computing and information technology;

K2. examine the nature and purpose of the literature review; and

K3. determine how to communicate results in an appropriate academic manner.

Skills:

S1. translate information needs into research and problem solving strategies that are appropriate for the particular piece of research;

S2. test the accuracy, reliability and relevance of knowledge claims and arguments, by applying the processes associated with, critical reading, interpretation, analysis and evaluation of information sources;

S3. devise strategies of current awareness to keep informed, and manage research; and

S4. apply appropriate referencing conventions in the presentation of academic work.

Application of knowledge and skills:

A1. prepare and present written and oral reports to an audience; and

A2. produce a formatted, well written research project report documenting research results.

Values and Graduate Attributes:

Values:

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> **V1.** pursue and value knowledge, scholarship, creativity and acquisition of new ideas;
> **V2.** explore and critically reflect on personal learning; and
> **V3.** value the contribution and application of information and computing sciences within the wider community.

Graduate Attributes:

Attribute	Brief Description	Focus
Continuous Learning	In a environment which fosters initiative and lifelong learning, students will continue to grow their research and knowledge skills.	High
Self Reliance	Students will participate in a self-directed and collaborative learning environments to develop their research expertise.	High
Engaged Citizenship	Students will engage with the research community to develop an understanding of contemporary challenges in the fields of information and computer science.	High
Social Responsibility	Students will apply ethical practices to undertake investigations, and produce quality research output in the fields of information and computer science.	High

Content:

Information will be provided on the writing of papers, on preparation of projects and theses, and on giving seminars. Students will also be guided on use of the library and other information sources.

Students will complete a research project and give at least one presentation related to this. Much of this work will be of an independent nature, although regular meetings with the supervisor are required. Participation in regular seminars to exchange ideas is also part of the nature of this course.

Assessment:

Meetings with supervisor, seminar attendance, seminar preparation, independent research and project report preparation. Assessment tasks in this course cover all three thesis courses in a holistic integrated fashion

Learning Outcomes Assessed	Assessment Task	Assessment Type	Weighting
K3 and A1	Demonstrate ability to present an oral report explaining the background of a proposed project.	Presentation	10% - 20%
K3 and A1	Demonstrate ability to present an oral report explaining the results of the research.	Presentation	10% - 20%
K1, K2, S1, S2, S3, S4, and A2	Analyse, and synthesise subject knowledge and problem statement, research aim, questions, methodology, methods, proposed analysis and outcomes with application to research area of interest.	Research project report and artefact	70% - 80%

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Adopted Reference Style:

APA

Presentation of Academic Work:

[FedUni General Guide to Referencing](#)