

Course Outline

Title: GUIDED STUDY

Code: ITECH4302

Formerly: CP870

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: (A major study in computing in an undergraduate degree)

Co-requisites: Nil

Exclusions: (CP870)

Progress Units: 15

ASCED Code: 029999

Learning Outcomes:

Knowledge:

- K1.** investigate key issues related to problems in information and computer science topics;
- K2.** exhibit an in depth knowledge of selected information and computer science related concepts;

Skills:

- S1.** work independently to research and construct a solution to a small problem
- S2.** analyse and evaluate the authenticity of material sourced toward solving a particular task
- S3.** synthesize and plan a coherent piece of writing that provides an appraisal of methodology and approach toward a solution
- S4.** compare and evaluate appropriate technological approaches toward problem solving on a particular task

Application of knowledge and skills:

- A1.** examine and extend knowledge of computing principles acquired in order to solve a current information and computer science research problem;
- A2.** communicate research findings in writing and by oral presentation;

Values and Graduate Attributes:

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Values:

- V1. appreciate social and political issues in computing topics studied; and
- V2. reflect on the value of ethical behaviour related to information and computer science topics studied.

Graduate Attributes:

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

Content:

The content of this course will vary, depending on the interest of the students who elect to do this course. The student and a nominated supervisor will devise a suitable program of study at the outset of the course in consultation with the course coordinator. The topic may be chosen to complement, though it would not directly contribute to, a larger project such as a thesis.

Assessment:

Learning Outcomes Assessed	Assessment Task	Assessment Type	Weighting
K1, S1, A1	Individual exploration: evaluation and/or proposal	Negotiated Contract	10 - 20%
K2, S1, S2, S3, A1	Individual exploration: assignment 1	Negotiated Contract	30 - 50%
K2, S1, S3, S4, A2	Individual exploration: final report and/or presentation	Negotiated Contract	30 - 50%

Adopted Reference Style:

APA

Presentation of Academic Work:

[FedUni General Guide to Referencing](#)