Course Outline (Higher Education)

School:	School of Science, Engineering and Information Technology
Course Title:	PROJECT
Course ID:	ITECH7602
Credit Points:	15.00
Prerequisite(s):	(CP829 or ITECH7601) (CP616 or CP641 or CP642 or CP859 or CP875 or ITECH2106 or ITECH3201 or ITECH6106 or ITECH7201)
Co-requisite(s):	Nil
Exclusion(s):	(CP783 and CP800 and ITECH3208)
ASCED Code:	029999

Description of the Course :

The project course will give the student experience in the development of a component for an information technology system. This course includes a requirements analysis and systems design, as well as the actual documentation and implementation of an information technology system.

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

Work Experience:

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

Placement Component: No

Learning Outcomes:

Knowledge:

K1. understand the processes and methodologies for project management and planning;

K2. understand the importance of regular client contact and relationship management;

K3. understand the importance of a client contract and clear documentation of expected work in a project;

K4. understand how to define roles, responsibilities, procedures and standards to clearly define collaborative team work;

K5. understand how to plan a technical presentation to suit the intended audience;

K6. understand how to choose and apply appropriate analysis and design techniques to solve a particular problem;

K7. understand how to critically review a work product in order to improve on its quality;

K8. understand quality assurance processes, including documentation reviews;

Skills:

S1. consult with a client with a view to developing and implementing a software application;

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    S2.   analyse, design and implement such an application with appropriate management and technical documentation;

    S3.   demonstrate skills gained beyond those acquired in other courses;

    S4.   work in a collaborative way with professionals in a variety of areas which use information technology;

    S5.   develop a project plan and manage its implementation;

    S6.   conduct a critical review of work completed by their peers for a quality assurance task;

    S7.   follow a chosen methodology for project development including production of appropriate documentation and reports;

Course Content:

This course will provide students with an opportunity to undertake a significant project of work based on their prior study in Information Communication Technology or Mathematics. Usually a project will be done by two or more students (pairings or groups to be nominated on selection of project). In special circumstances, a project may be done by one student. In some cases, several students may each work on the same (or a very closely related) topic. The project may also take the form of a case study. Each project will normally have an allocated supervisor and a client. It will be the client`s responsibility to advise on the scope, purpose and broad definition of the project and the supervisor`s responsibility to oversee the conduct of the project and provide assistance where possible. The supervisor will also be responsible to give advice where the scope of the project is likely to exceed the requirements of the project unit(s). Most projects will involve the analysis and design of information technology systems, and the learning of skills beyond those acquired already in other units. The satisfactory completion of a project will normally require a committed and consistent effort over the entire duration of the project. Students may propose their own topic and client with the agreement of the Unit Coordinator, provided the project can be completed within the scope of this unit. They must also be able to show that they can talk about and demonstrate their work in the expected way.

Values:

    V1.   appreciate the need for appropriate documentation to support a project development;

    V2.   value regular communication within a team to foster good team dynamic and collaboration.

    V3.   appreciate the need for professionalism in relating to clients;

Learning Task and Assessment:

Students will regularly consult with their project supervisor and carry out guided reading to support the analysis and design of their system. Learning tasks will include: [1] consultation with client and supervisor; [2] regular progress reports to supervisor and/or peers; [3] production and review of documentation throughout the life of the project requirements analysis; [4] analysis, design and implementation of an ICT system (including the gaining of new skills); [5] negotiating a client relationship, managing and controlling change requests; and preparation of technical presentations. Assessment will comprise the following tasks:

Learning Tasks	Assessment Type	Weighting
Preparation of presentation	Oral presentation	20 - 40%
Written report and documentation	Written report	60 - 80%

Adopted Reference Style:

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APA