

INFORMATION TECHNOLOGY SYSTEMS ITS101

SUBJECT DESCRIPTION

Preparation for INFORMATION TECHNOLOGY SYSTEMS

PREREQUISITES

Level of junior achievement required to successfully complete the subject

A keen interest in all aspects of computing from software to hardware and program use to program design.

EXPECTED OUTCOMES

Aims of the subject

Information Technology Systems (ITS) is a practical discipline that helps prepare students to meet the frequent and rapid change in the area of information technology (IT), and to be responsive to emerging technologies and trends. IT involves the use of technologies that allow people to manipulate and share information in its various forms (text, graphics, sound and video), and the range of technological devices that perform these functions.

COURSE OUTLINE/UNITS

This course will consist of projects that could involve working with the following IT areas

- retrieving information from databases
- designing, implementing, testing, evaluating and writing documentation for information systems and other computer programs
- participating in class discussions, role-plays, dilemmas and scenarios
- installing and maintaining a variety of software applications and operating systems
- designing, developing and evaluating software or hardware to meet client requirements
- generating helpdesk materials
- developing web sites
- designing, developing and evaluating games and other multimedia products
- undertaking case studies to solve real IT problems.

This course is also a trial to validate the introduction of ITS in the senior curriculum for 2010. This subject would be an Authority subject (OP level of difficulty) and would contain embedded VET.

ASSESSMENT/

WORKLOAD

Expected work and study requirements

The course will be project based. Assessed with the criteria of *Familiar application, Problem solving and Communication.*

BENEFITS OF STUDYING

THIS SUBJECT

Career prospects /

relevance to the future

The ITS course provides students with the knowledge, skills, processes and understandings of the systems that support IT. These IT systems include those that support the development of information (documents or websites), and those that support technology (computers or networks).

The course develops a fluency in IT that is more comprehensive than IT literacy alone. Fluency with IT allows students to focus their studies through:

- complex problem solving
- emphasising management skills (for detailed projects)
- working individually and in teams
- communicating effectively
- developing productive relationships with clients
- considering the social and ethical issues related to their studies.

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