

SUBJECT: INFORMATION TECHNOLOGY SYSTEMS (ITS)

Certificate II in Information Technology Focus: Multimedia

PRE-REQUISITE JUNIOR SUBJECT

Sound Achievement in Mathematics and English.

AIMS

Through study and practical work during this course, a student will:

- become confident and competent users and consumers of ICTs
- manage time and resources effectively and efficiently
- develop the skills needed for creative work, practical problem-solving and communication in a variety of media
- engage in self-directed learning by developing self-reliance, personal responsibility, and self-management
- develop the ability to work and communicate with others in a team
- develop the processes, skills and attitudes that are required for effective participation in the community as responsible users of ICTs
- develop an ability to make informed decisions in situations and practices involving ICTs
- develop a commitment to the safe and ethical use of ICTs
- use complex and advanced features of computer application programs to the extent of being able to automate processes using macros and templates
- develop the ability to apply principles of software and hardware use to new technologies on stand-alone and networked systems

COURSE OVERVIEW

Information Technology Systems is an Authority subject, which contributes towards a student's Overall Position. It is also a Vocational Education subject, which means there are embedded units of competency which contribute towards the nationally recognized Certificate II in Information Technology. The ICA20105 Certificate II in Information Technology is based on units of competency selected from the ICA05 training package. This qualification provides the foundation of knowledge and skills required to work in the IT industry. It also provides foundation employment and general computing skills, which enable participation in an IT environment.

The major focus for this course will be multimedia, utilizing the Macromedia MX suite of products and Blender (for 3D modelling). Digital photography and digital video will be used throughout the course, using Fireworks, Photoshop Elements and Ulead Video Studio 8. A range of Microsoft Office products will be utilized to develop macros and templates. Using advanced features of computer applications will be a focus of the course.

SUBJECT COMPATIBILITY

Information Technology Systems is incompatible with the Authority Registered subject, Information and Communications Technology. This means that students may not study both subjects. However, Information Technology Systems may be studied in conjunction with the Authority subject, Information Processing and Technology.

COURSE ORGANIZATION

Semester	Topic	Embedded Units of Competency
1	Customize Software 1	Operate a personal computer. Follow workplace safety procedures. Design organizational documents using computing packages. Operate computer hardware.
	2D Animation & Website Authoring	
2	Hardware & Software	Operate computing packages. Integrate commercial computing packages. Use a computer operating system.
	Digital Video Editing	
3	Customize Software 2	Work effectively in an IT environment. Communicate in the workplace. Migrate to new technology. Create user documentation.
	3D Animation	
4	Social & Ethical	Develop macros and templates for clients using standard products. Customize packaged software applications for clients. Use advanced features of computer applications. Connect internal hardware components.
	Web Page Design	
	Interactive Multimedia	

ASSESSMENT

Assessment items will require students to be motivated enough to study for examinations, complete assignment work out of school hours and work towards achievement of embedded competencies.

Assessment of units of competency will be conducted against the competency standards in the National Information Technology Training Package. A range of assessment techniques will be used, which support the gathering of evidence required to demonstrate that competency has been achieved. Techniques could include demonstrations, observation schedules, simulation activities, case studies, or work-based projects/assignments.

- **Examinations** will involve students working individually and will be conducted under supervised test conditions.
- **Written Responses** will require extended responses of at least 800 words.
- **Projects** will be up to six weeks duration and will follow the design, develop, evaluate cycle.