

**NEW ZEALAND INSTITUTES OF TECHNOLOGY AND POLYTECHNIC
QUALIFICATIONS IN INFORMATION & COMMUNICATIONS TECHNOLOGY**

PRESCRIPTION: MA500 MULTIMEDIA PRINCIPLES

AIM OF MODULE:	Students will develop Introductory skills for a multimedia application for use in the commercial field, education field or preparing graphics for the WWW and other presentations.
CREDITS:	7
STUDENT LEARNING HOURS:	70
CONTENT REVISED:	2008
PRESCRIPTION EXPIRY DATE:	Nov 2011

Level and Assessment Schedule

TOPICS	Highest Skill Level				Suggested Assessment Percentage
	R	C	A	P	
1. Features of Computer Graphics, Multimedia and the World Wide Web (WWW)		*			50
2. Create Presentations			*		50
					100

LEARNING OUTCOMES

The student will:

- | | | |
|---|---|---|
| C | 1 | Describe the features of computer graphics, multimedia and web pages. |
| A | 2 | Use the features of at least one computer graphics package, and at least one web page authoring tool to create presentations. |

CONTENT

1 A DESCRIPTION OF THE FEATURES OF COMPUTER GRAPHICS, MULTIMEDIA AND THE WORLD WIDE WEB (WWW) WILL INCLUDE:

- Scanning.
- Bitmap and Vector images
- Resolution (and it's relation to picture and file size).
- Choice of colour..
- Graphic File Formats (For example; BMP, TIF, GIF, GIF89a, JPEG, PNG, RAW, CGM, SVG, WMF, and HTML, or other current formats).
- The role of Standards Bodies (For example; W3C, MPEG or other current standards bodies).
- SoundFile Formats (For example; WAV, MID, MP3,MP4, OGG, MPC, FLAC, AIFF, RAW, AU, GSM, VOX, WMA, MSV and RA/RM or other current formats).
- Copyright.

2 CREATE PRESENTATIONS

- An introduction to authoring will require students to:
 - Create and incorporate pictures, icons, symbols, sound, video and animation
 - Create and incorporate sound and animation
 - Create XHTML or HTML coding for images and embedded objects

NOTES

- The software packages employed must reflect the packages currently used in the educational or commercial environment.
- The presentations created need not be www-based, but could take many forms including distance learning packages on CD-ROM and standalone advertising packages.