

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

PRESCRIPTION: EX600 EXPERT (KNOWLEDGE BASED) SYSTEMS

AIM OF MODULE:	To enable students to describe the types of applications suited to the use of Expert systems, the tools and methods used to develop them, and to develop an expert system.
CREDITS:	7
STUDENT LEARNING HOURS:	70
CONTENT REVISED:	Pre 1996
PRESCRIPTION EXPIRY DATE:	Nov 2011 (not currently offered by an ITP)

Level and Assessment Schedule

TOPICS	Highest Skill Level				Suggested Assessment Percentage
	R	C	A	P	
1. Use of Expert Systems		*			20
2. Tools and Methodologies			*		40
3. Developing and Amending an Expert System			*		40
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					100

The student will:

1 USE OF EXPERT SYSTEMS

- C Describe the types of applications for which expert systems are appropriate.

2 TOOLS AND METHODOLOGIES

- A 2.1 Demonstrate the use of a software tool suitable for the development of expert systems.
- C 2.2 Describe how an expert system works and explain in detail how a given expert system software package operates.

3 DEVELOPING AND AMENDING AN EXPERT SYSTEM

- A Using the given software package, complete a simple case study to create and modify a working system.

NOTE TO TUTORS

- Examples of suitable packages (at time of writing) include:
- PROLOG
 - (IBM) EXPERT SYSTEM
 - (ICL) ASTUTE
 - EXSYS