

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

**PRESCRIPTION: PD500 PROGRAM DEVELOPMENT**

AIM OF MODULE:	To provide students with a basic understanding of computer programming through the study of logic methods, software development concepts and documentation.
CREDITS:	7
STUDENT LEARNING HOURS:	70
CONTENT REVISED:	2000
PRESCRIPTION EXPIRY DATE:	November 2013
NOTE:	THIS IS A COMPULSORY DIPICT L5 MODULE

**Level and Assessment Schedule**

TOPICS	Highest Skill Level				Suggested Assessment Percentage
	R	C	A	P	
1. Program Development Cycle		*			5
2. Problem Decomposition			*		20
3. Logic Depiction Methods			*		40
4. Desk Checks			*		20
5. Languages		*			15
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## LEARNING OUTCOMES

The student will:

- C 1 Describe the program development cycle.
- A 2 Apply the techniques of problem decomposition.
- A 3 Apply a number of recognised logic depiction methods.
- A 4 Desk check the methodology using test data.
- C 5 Describe the purpose and characteristics of computer programming languages from first generation to current languages and reasons for their development.

## NOTE

- It is expected that a depiction method related to the programming language taught in PP400 will be covered to a greater depth.