

**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:	Nov 2011
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
					<hr/> 100 <hr/>

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.