

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

PRESCRIPTION: AM500 APPLIED MATHEMATICS

AIM OF MODULE:	The student will acquire mathematical skills that will enable them to solve simple mathematical problems in the computing and information technology and business areas.
CREDITS:	7
STUDENT LEARNING HOURS:	70
CONTENT REVISED:	1998
PRESCRIPTION EXPIRY DATE:	November 2013

Level and Assessment Schedule

TOPICS	Highest Skill Level				Suggested Assessment Percentage
	R	C	A	P	
1. Number Theory			*		30
2. Algebra			*		15
3. Functions			*		20
4. Graphs			*		20
5. Statistics			*		15
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LEARNING OUTCOMES

The Student will:

- A 1 Manipulate numbers with the basic operations, work with percentages and different dimensions, classify numbers, work with different bases, exponents and logs, and estimate/approximate answers to mathematical problems.
- A 2 Work with variables in equations and manipulate mathematical equations in order to solve for different variables.
- A 3 Work with simple functions, such as linear and quadratic functions.
- A 4 Graph functions and interpret the data on a graph.
- A 5 Solve simple statistical problems involving mean and standard deviation.