

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

**PRESCRIPTION: SA600 SYSTEMS ANALYSIS (STRUCTURED TECHNIQUES &
TOOLS)**

AIM OF MODULE:	The student will apply structured systems analysis techniques.
CREDITS:	7
KNOWLEDGE ASSUMED FROM:	DA600 Data Analysis SO500 Systems Overview
STUDENT LEARNING HOURS:	70
CONTENT REVISED:	2000
PRESCRIPTION EXPIRY DATE:	November 2013

Level and Assessment Schedule

TOPICS	Highest Skill Level				Suggested Assessment Percentage
	R	C	A	P	
1. Entity Modelling			*		15
2. Data Flow Diagrams			*		20
3. Data Dictionaries			*		10
4. Other Modelling Techniques			*		25
5. Documentation			*		30
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LEARNING OUTCOMES

The student will:

- A 1 Draw an entity model for an existing system.
- A 2 Draw data flow diagrams using a top down approach from the context diagram to the process specifications.
- A 3 Develop a data dictionary which includes definitions of all data structures, data flows, processes and aliases.
- A 4 Apply other modelling techniques appropriate to an existing system.
- A 5 Document each phase of the structured systems analysis. It is recommended that a case tool be used.