

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

PRESCRIPTION: SR700 SYSTEM REVIEW & MAINTENANCE

AIM OF MODULE:	To enable students to be able to control the review and maintenance of an existing system.
CREDITS:	7
STUDENT LEARNING HOURS:	70
CONTENT REVISED:	Pre 1996
PRESCRIPTION EXPIRY DATE:	November 2013

Level and Assessment Schedule

TOPICS	Highest Skill Level				Suggested Assessment Percentage
	R	C	A	P	
1. System Review				*	85
2. Change Management				*	15
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The student will:

1 SYSTEM REVIEW

- C 1.1 Explain the reasons for post-implementation reviews and audits for:
- system development
 - system operation
- P 1.2 Given a fully developed system, prepare a post-implementation review report including as a minimum:
- brief description of the system including its primary purpose
 - comparison of schedules showing planned versus actual, giving reasons
 - cost comparisons showing planned versus actual, giving reasons
 - problems encountered during the project, giving potential solutions
 - special concerns which should receive attention
- P 1.3 Perform the tasks of the review team which should include:
- user interviews
 - DP operations personnel interviews (data entry, control, operators and librarians)
 - examination of small project requests and maintenance requests affecting the system
 - interviews of programmers who have had responsibility for maintenance/modification since the system was implemented
 - analysis of production statistics
 - volume statistics
 - review of system documentation
- P 1.4 Develop a checklist for a review team carrying out a routine periodic review of performance. This might include:
- review objectives of the DP organisation and specifically the system under investigation
 - examine the internal organisation of the DP resources
 - review personnel selection
 - scrutinise philosophy and processes which made the system possible
 - examine the training programme of the organisation
 - review security

2 CHANGE MANAGEMENT

- C 2.1 Describe a suitable hierarchy and procedure for the control, assessment, grading and implementation of approved changes, which might include:
- application support group
 - work requests
 - timing and sizing effort
 - prioritisation
 - management approval procedures
- P 2.2 Prepare simple guidelines for version control and implementation of changes to:
- programs
 - job control and operator's instructions
 - documentation
 - users' instructions