

NEW SOUTH WALES
TECHNICAL AND FURTHER EDUCATION COMMISSION

Course Log Book

Student Name: _____

Diploma in Information Technology –Networking

NSW Course Number: 19016

NSW Version Number: 5

ICA05 Information and Communication Technology

Qualification Code: ICA50405

19016 DIPLOMA IN INTERNETWORKING–2011 V5.1

COURSE LOG BOOK

Introduction

You are enrolled in Diploma in Information Technology (Networking) Course No 19016. The Diploma of Information Technology (Networking) is designed for students who wish to design, implement and manage secure networks using both LAN and WAN technologies. Students undertaking this course will develop client focused practical and technical skills. They will be able to build and support networks at a high level as well as configuring broadband network connections. It is a high level course requiring high problem solving skills and determination.

This course is for people who want to learn networking skills to assist and support other computer users in their work. The course is also suitable for people who want to pursue a career as a Network Engineer.

Relationship To Subsequent Information Technology Courses

When you successfully complete this course you may be given credit for your study in an IT degree course.

What is a Training Package?

Training Packages are a new government initiative designed to make training more flexible and affordable for industry. The Training Package concept is designed to provide industry, and those servicing industry, with greater flexibility in gaining competency to the standard required by the Information Technology industry.

What are Competency Standards?

Competency based training and assessment is carried out against a set of competency standards. These identify the minimum skills and knowledge required by an employee to perform a particular function. They also identify

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any underpinning knowledge and attributes required to undertake a task. Competency standards are statements that outline what a person is to do and how well, or to what standards, they are expected to perform. Competency standards are developed with industry so they relate directly to the workplace.

About this course.

This course is one of the highest TAFE qualifications available. It can be used as a learning pathway to university study. Students would normally be credited time towards their IT degree, significantly reducing the time and cost of university study. This course has entry requirements. Please consult your teacher.

The nominal duration of this course is approximately 1200 hours depending upon the electives chosen. However, the time taken to complete each unit depends the learner's ability on entry to the course.

Students are expected to spend at least an equivalent amount of hours off college for the completion of practical assignments.

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Course Completion Requirements

The course includes 20 prerequisite units, 8 network specialist core units and 6 Specialist elective units and 1 general elective unit. Many of the unit numbers from 2009 have changed from version 'A' to version 'B'. Please be aware that any reference to an 'A' version of a unit (such as ICAU2005A) will satisfy the requirements for a student enrolled in the 'B' version (e.g. ICAU2005B).

Group 1 Prerequisite Units:

Prerequisite Units (Group 1): These modules must be completed, but may be credited should the student have completed them in another course. Students may also wish to apply for Recognition of Prior Learning (RPL).

Number	Unit Name	Number	Unit Name
BSBCM106A	Follow workplace safety procedures	ICAA4233B	Determine and apply appropriate development methodologies
ICAD2012B	Design organisational documents using computing packages	ICAA5140C	Design a server
ICAU1128B	Operate a personal computer	ICAB5160C	Build and configure a server
ICAU2005B	Operate computer hardware	ICAD4217B	Create technical documentation
ICAU2006B	Operate computing packages	ICAI3020B	Install and optimise operating system software
ICAU2013B	Integrate commercial computing packages	ICAI3101B	Install and manage network protocols
ICAU2231B	Use computer operating system	ICAI4029C	Install network hardware to a network
ICAW2001B	Work effectively in an IT environment	ICAI4097C	Install and configure a network
ICAW2002B	Communicate in the workplace	ICAS3024B	Provide basic system administration
ICAS3120C	Configure and administer a network operating system	ICAS3032B	Provide network systems administration

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Core Units (Group 2): This group represents the high level specialist networking skills. Students must complete all units in this group.

Number	Unit Name	Number	Unit Name
BSBPM505A	Manage project quality	ICAI5098C	Install and manage complex networks
ICAA5045C	Produce network architecture design	ICAI5100C	Build an internet infrastructure
ICAA5056B	Prepare disaster recovery and contingency plans	ICAS5202B	Ensure privacy for users
ICAA5158B	Translate business needs into technical requirements	PSPPM502B	Manage complex projects

Specialist Elective Units (Group 3 - subgroup 1): There are many units in the elective groups, each with weighting and grouping restrictions in the training package. However, a typical course requires the student to complete all of the following units.

Number	Unit Name	Number	Unit Name
ICAS4124B	Monitor and administer network security	ICAB5238B	Build a highly secure firewall
ICAS5123B	Manage network security	ICAI5176B	Install and configure router
ICAB5237B	Build a high performance security perimeter	ICAI5196B	Implement secure encryption technologies

Elective units Units (Group 3 - subgroup 2): These Units is are designed to assist your course progression by allowing you to fill holes in your technical knowledge from previous studies. Students need only complete one of them.

Number	Subject Name	Number	Subject Name
ICAA5141A	Design dynamic websites to meet technical requirements	ICAS5199A	Manage business websites and servers.

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ICAA5241A	Design an enterprise wireless local area network	ICPPP411A	Undertake a complex design brief
ICAI5152A	Implement risk management processes		

Recognition of Prior Learning

TAFE NSW recognises the skills and knowledge that you have gained through previous studies, work and life experiences. When you start your course we can take these skills into account. We call this **Recognition of Prior Learning (RPL)**.

If you are given recognition it means that you do not have to do all the subject/units in your course.

You may be considered for recognition if you have:

- Successfully completed the same unit or subject in any other TAFE course.
- Successfully completed a similar unit or subject in a course studied at TAFE or any other educational institution.
- Relevant industrial, workplace, community or life experiences.

To apply for recognition you will need to provide evidence of your previous study or experience such as original result notices, certificates or references. You will also need to fill out an Enrolment Adjustment Recognition form and attach a photocopy of your Enrolment Form, then submit all the abovementioned for processing.

If you have a current enrolment in the Level II Certificate in Information Technology and wish to apply for recognition, please contact the Head Teacher, Information Technology, at the Parkes Campus.

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COURSE LOG BOOK

Using the Unit Log Book to Record Your Progress.

The **Diploma in Information Technology – Internetworking** will be assessed using a number of methods including:

- In class exercises and/or tests
- In class observations
- Home assignments
- Individual unit projects
- Projects covering a number of competencies that have been grouped for assessment purposes.

The following section of your Course Log Book is called the Individual Learning Plan. It is important that when you start a course, that you and your teacher create an individual learning plan. This plan should indicate the order in which subjects will be attempted and estimate timeframes for each of them. In this way, you will be better able to monitor your progress through your course and adjust your study to get the best result possible.

Note:

- This Course Log Book is your record that you are progressing through the course. **DO NOT LOSE IT.**
- You should have the log with you at all times so that the results for assessment events may be recorded as they happen. It will be difficult for all if you require the log to be written up for a period of weeks etc.
- The logbook is only a guide for you. Your actual results are maintained by TAFENSW and can be accessed by asking your teacher.

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Individual Learning Plan

Suggested Order	Number	Unit Name	Date assignment was emailed.	Grade allocated by teacher.
	BSBCM106B	Follow workplace safety procedures		
	ICAD2012B	Design organisational documents using computing packages		
	ICAU1128B	Operate a personal computer		
	ICAU2005B	Operate computer hardware		
	ICAU2006B	Operate computing packages		
	ICAU2013B	Integrate commercial computing packages		
	ICAU2231B	Use computer operating system		
	ICAW2001B	Work effectively in an IT environment		
	ICAW2002B	Communicate in the workplace		
	ICAS3120B	Configure and administer a network operating system		
	ICAA4233B	Determine and apply appropriate development methodologies		
	ICAA5140B	Design a server		
	ICAB5160B	Build and configure a server		
	ICAD4217B	Create technical documentation		
	ICAI3020B	Install and optimise operating system software		
	ICAI3101B	Install and manage network protocols		
	ICAI4029B	Install network hardware to a network		
	ICAI4097B	Install and configure a network		
	ICAS3024B	Provide basic system administration		
	ICAS3032B	Provide network systems administration		

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	BSBPM505B	Manage project quality		
	ICAA5045B	Produce network architecture design		
	ICAA5056B	Prepare disaster recovery and contingency plans		
	ICAA5158B	Translate business needs into technical requirements		
	ICAI5098B	Install and manage complex networks		
	ICAI5100B	Build an internet infrastructure		
	ICAS5202B	Ensure privacy for users		
	PSPPM502B	Manage complex projects		
	ICAS4124B	Monitor and administer network security		
	ICAS5123B	Manage network security		
	ICAB5237B	Build a high performance security perimeter		
	ICAB5238B	Build a highly secure firewall		
	ICAI5176B	Install and configure router		
	ICAI5196B	Implement secure encryption technologies		
ELECTIVE (1)				