SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE MARIE, ON

COURSE OUTLINE

Course Title: LOCAL AREA NETWORKS II

Code No.: CSN203   **Semester:**   4

Program: COMPUTER NETWORK TECHNICIAN

Author   TYCHO BLACK

Date: Jan. 2000   **Previous Outline Date:** Jan. 1999

Approved: _____ _____
                         Dean   **Date**

Total Credits: 6   **Prerequisite:** CSN201
Length of Course: 16 weeks   **Total Credit Hours:** 96

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I. COURSE DESCRIPTION:

This course continues the study of Local Area Networks and popular Network

Operating Systems with the emphasis on the development of hands-on skills in

network installation and management of Novell Netware environments.   A

detailed study of Novell Netware (versions 3.x through 5.0) and NDS (Novell

Directory Services) are the major components of this course. Developing

practical skills in LAN administration, installation and troubleshooting is an

important objective. Additional topics in current LAN and WAN infrastructure

will also be covered.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:
(Generic Skills Learning Outcomes placement on the course outline will be determined
and communicated at a later date.)

A. Learning Outcomes:

2.   Perform management and troubleshooting tasks on a Novell Netware
      v4.11 (Intranetware) network.

B.   Learning Outcomes and Elements of the Performance:

Upon successful completion of this course the student will demonstrate the
ability to:

**1.   *Perform installation, management and troubleshooting tasks on a
      Windows NT Server network.***

Elements of the Performance:

- Identify and describe the requirements, main features and terminology of
  the Windows NT Server Operating system.
- Distinguish between domains and workgroups and appropriately specify
  their use in various situations.
- Plan and manage NT Server users and groups.
- Install Windows NT Server in a variety of configurations.

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- Install and manage NT client software.
- Manage and monitor NT Server.
- View, backup and edit a Registry.
- Manage NT disk and file systems, create shares and set permissions.
- Manage NT print services.
- Prepare a contingency plan and recover from server failure, using backups and other methods.

This learning outcome will constitute approximately 70% of the course.

Reference: "Microsoft Windows NT Server 4.0" by Peter Brierley

2.   Perform installation, management and troubleshooting tasks on a Novell Netware v4.1 (Intranetware) network.

Elements of the Performance:

- Recall NDS (Netware Directory Services) concepts. (Review)
- Manage users and groups in a Netware 4.11 environment.
- Manage trustee assignments and file attributes.
- Install Netware printing support.
- Compare NT Server features and services with Novell's Intranetware.
- Configure NT Server for interoperability with Netware servers by using various tools.
- Manage a Netware 4.11 network including backups and remote management.
- Manage NDS partitions, time synchronisation and replication.

This learning outcome will constitute approximately 30% of the course.
Reference:
       "Network Administrator, Netware 4.1" by Ted Simpson , David Auer, and Mark Ciampa (Course Technology, Inc 1997, ITP)

III.   TOPICS TO BE COVERED:

       1.   Netware v4.11 (Intranetware) server management and configuration. environments.

IV.   REQUIRED STUDENT RESOURCES/TEXTS:

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TEXT BOOK:

- **Netware 4.11 "Network Administrator, Netware 4.1" by Ted Simpson , David Auer, and Mark Ciampa (Course Technology, Inc 1997, ITP)**

V.   EVALUATION PROCESS/GRADING SYSTEM:

3 WRITTEN TESTS   (20% each)   60%
QUIZZES and LAB ASSIGNMENTS   40%

(The percentages shown above may vary slightly if circumstances warrant.)

NOTE: *It is necessary to pass both the theory and the lab parts of this course. It is not possible to pass the course if a student has a failing average in the three written tests but is passing the lab portion, (or vice versa).*

GRADING SYSTEM
A+   90   -   100%
A   80   -   89%
B   70   -   79%
C   60   -   69%
R   Repeat   Less than 60%
X   Incomplete

UPGRADING OF INCOMPLETES
When a student's course work is incomplete or final grade is below 60%, there is the possibility of upgrading to a pass when a student meets all of the following criteria:
1.   The student's attendance has been satisfactory.
2.   An overall average of at least 50% has been achieved.
3.   The student has not had a failing grade in all of the theory tests taken.
4.   The student has made reasonable efforts to participate in class and complete assignments.

The nature of the upgrading requirements will be determined by the instructor and may involve one or more of the following: completion of existing labs and assignments, completion of additional assignments, re-testing on individual parts of the course or a comprehensive test on the entire course.

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LABS:
Lab activities represent a very important component of this course. Because of this, **attendance is essential** and the satisfactory completion of all lab activities is required. *It is the student's responsibility to discuss absences from regularly scheduled labs with the instructor so that alternate arrangements (where possible) can be made to complete the lab requirements.*

Required lab report requirements will be detailed before labs are assigned. A late penalty will be applied for labs handed in past the due date.

ATTENDANCE:
Absenteeism will affect a student's ability to succeed in this course. Absences due to medical or other unavoidable circumstances should be discussed with the instructor.

VI.   SPECIAL NOTES:

- **Special Needs**
  Students with special needs (e.g. physical limitations, visual or hearing impairments, or learning disabilities) are encouraged to discuss any required accommodations confidentially with the instructor and/or contact the Special Needs Office so that support services can be arranged.

- **Retention of Course Outlines**
  It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other post-secondary institutions.

- **Course Modifications**
  Your instructor reserves the right to make reasonable modifications to the course as deemed necessary to meet the needs of students or take advantage of new or different learning opportunities.

VII.   PRIOR LEARNING ASSESSMENT:
Students who wish to apply for advanced standing in the course should consult the instructor. This course is not eligible for challenge at the present time.