

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



**SAULT
COLLEGE**

COURSE OUTLINE

COURSE TITLE: Network Applications
CODE NO. : CSN220 **SEMESTER:** 11W
PROGRAM: Computer Network Technician
AUTHOR: Cindy Trainor
DATE: Dec, 2010 **PREVIOUS OUTLINE DATED:** Dec, 2009
APPROVED: "Penny Perrier" Dec 2010

CHAIR

DATE

TOTAL CREDITS: 4
PREREQUISITE(S): CSN100
HOURS/WEEK: 4 Hours / 16 Weeks

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For additional information, please contact Penny Perrier, Chair,
School of Business
(705) 759-2554, Ext. 2754

I. COURSE DESCRIPTION:

This course will develop the student's ability to install, configure and manage a WINDOWS 2003 SERVER network in an internet/intranet environment. It will focus on the installation, use, and support of various TCP/IP-based servers, and groupware. Network installations of office suites will be performed. Thin client technology will be discussed and implemented. Desktop management systems will be installed and used to manage system resources. Students will also explore protocols embedded in WINDOWS 2003 SERVER for managing server health.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. ***Install and configure various TCP/IP-based servers***
Potential Elements of the Performance:
 - Install software such as Microsoft Internet Information Server and Apache Web Server to manage a Web site.
 - Configure and manage a File Transfer Protocol Server.
 - Configure and maintain a Domain Name Server
2. ***Support groupware applications in the Windows 2003 Server environment.***
Potential Elements of the Performance:
 - Install, configure and use Microsoft Exchange.
 - Install, configure and use Microsoft Outlook client.
 - Discuss the various components of the above applications.
3. ***Investigate thin client server and client technology***
Potential Elements of the Performance:
 - Plan for, and install, Terminal server.
 - Create users and groups in Terminal server.
 - Install terminal services client software.
 - Install applications to Terminal server.
 - Administering the desktop and server.
4. ***Network installation and support contemporary office software suites***
Potential Elements of the Performance:
 - Install and configure Microsoft Office in a network environment.
 - Study the use of the suite in sharing data and collaboration.

5. *Utilize a desktop management system to manage network resources*

Potential Elements of the Performance:

- Discuss the characteristics of network management systems.
- Install and use Cisco Works.
- Install and use Microsoft SMS management software.

6. *Examine the protocol used by devices in WINDOWS 2003 SERVER to report their status to the server.*

Potential Elements of the Performance:

- Install the Simple Network Message Protocol (SNMP) service.
- Configure SNMP to send and receive traps.

III. TOPICS:

1. TCP/IP-based servers
2. Groupware applications
3. Thin client servers and clients
4. Network installation and support of office suites
5. Desktop management systems
6. Simple Network Message Protocol

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

USB 2.0, IDE External Hard Drive Enclosure with Hard Drive

Or

USB 2.0 to Hard Drive Adapter and Hard Drive

Text: MSCE Guide to Microsoft Exchange Server 2003 Administration

ISBN: 1423902661

V. EVALUATION PROCESS/GRADING SYSTEM:

Tests	40%
Quizzes	20%
Assignments and Labs	40%

NOTE: It is necessary to pass both the theory and the lab part of this course. For example, it is not possible to pass the course if a student has a failing average in the written tests but is passing the lab portion, (or vice versa). The following semester grades will be assigned to students:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

VI. SPECIAL NOTES: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 professor. Students are required to be in class on time and attendance will be taken within the first five minutes of class. A missed class will result in a penalty in your marks unless you have discussed your absence with the professor as described above.

The penalty depends on course hours and will be applied as follows:

Course Hours	Deduction
5 hrs/week (75 hrs)	1% / hr
4 hrs/week (60 hrs)	1.5% /hr
3 hrs/week (45 hrs)	2% /hr
2 hrs/week (30 hrs)	3%/hr

Final penalties will be reviewed by the professor and will be at the discretion of the professor.

VII. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located on the portal form part of this course outline.