

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



Sault College

**COURSE OUTLINE**

**COURSE TITLE:** Network Applications

**CODE NO. :** CSN205 **SEMESTER:** 4

**PROGRAM:** Computer Network Technician,  
Computer System Support Technician

**AUTHOR:** Cindy Trainor

**DATE:** Jan, 2004 **PREVIOUS OUTLINE DATED:** Jan,  
2003

**APPROVED:**

\_\_\_\_\_  
**DEAN**

\_\_\_\_\_  
**DATE**

**TOTAL CREDITS:** 6

**PREREQUISITE(S):** CSN202

**HOURS/WEEK:** 4 Hours / 16 Weeks

**Copyright ©2003 The Sault College of Applied Arts & Technology**  
*Reproduction of this document by any means, in whole or in part, without prior  
written permission of Sault College of Applied Arts & Technology is prohibited.*  
*For additional information, please contact Colin Kirkwood, Dean  
School of Technology, Skilled Trades & Natural Resources  
(705) 759-2554, Ext.688*

**I. COURSE DESCRIPTION:**

This course will develop the student's ability to install, configure and manage a WINDOWS 2000 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 2000 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

*This learning outcome will constitute approximately 25 % of the course.*

**2. *Support groupware applications in the Windows 2000 Server environment.*****Potential Elements of the Performance:**

- Install, configure and use Microsoft Exchange.
- Install, configure and use Netscape Suitespot.
- Discuss the various components of the above applications.

*This learning outcome will constitute approximately 20 % of the course.*

**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.

*This learning outcome will constitute approximately 15 % of the course.*

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.
- This learning outcome will constitute approximately 10 % of the course.*
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 Netsupport TCO management software.
  - Install and use Microsoft SMS management software.
- This learning outcome will constitute approximately 20 % of the course.*
6. *Examine the protocol used by devices in WINDOWS 2000 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.
- This learning outcome will constitute approximately 10 % of the course.*

### 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:

Removable Hard Drive

### 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 in postsecondary courses:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 - 100%	4.00
A	80 - 89%	4.00
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 - 59%	1.00
F (Fail)	49% and below	0.00
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:

### Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your instructor and/or the Special Needs office. Visit Room E1204 or call Extension 493 so that support services can be arranged for you.

### 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 postsecondary institutions.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Rights and Responsibilities*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course outline amendments:

The Professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

*<include any other special notes appropriate to your course>*

**VII. PRIOR LEARNING ASSESSMENT:**

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

**VIII. DIRECT CREDIT TRANSFERS:**

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.