

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



COURSE OUTLINE

Course Title: Network Applications

Code No.: CSN205 Semester: Any

Program: Computer Studies Programs

Author: F. Turco

Date: Sep 1999 Previous Outline Date: Jan 1999

Approved: _____
Dean Date

Total Credits: 6 Total Credit Hours: 96

Prerequisites: CSN202

Length of Course: **64 Hours for 4 hours a week for 16 weeks comprised of:**
2 - 2 hour theory / lab class with the professor per week

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For additional information, please contact Kitty DeRosario, Dean, School of Trades
& Technology, (705) 759-2554, Ext. 642*

COURSE OUTLINE

I. COURSE DESCRIPTION:

This course will develop the student's ability to install, configure and manage a WINDOWS NT network in an internet/intranet environment. It will focus on the installation, use, and support of office suites, groupware, and web servers, as well as the development of interactive web sites using both server and client techniques. Software tools such as Java, Javascript, and Perl will be studied, as well as their application in internet/intranet applications. The student will study the use of web tools in an office environment, and will utilize a desktop management system to manage systems resources.

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:

1. Support users and applications in web-based client-server environments.
2. Install and support contemporary office software suites.
3. Support groupware applications in NT Server environments.
4. Install and support groupware applications to implement such things as mail, messaging, database sharing.
5. Utilize a desktop management system to manage network resources
6. Specify, install and configure application software to support a variety of environments with due consideration of licensing, legal and ethical issues.

B. Learning Outcomes and Elements of the Performance:

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

1. Support users and applications in web-based client-server environments

Potential elements of the performance:

- Use Javascript and Vb Script to develop interactive Web Pages.
- Understand the principles of CGI systems and use C++ or Perl to create interactive pages.
- Use advanced HTML features.
- Use Microsoft Word and Wordperfect to create web content.
- Use a variety of HTML editors.
- Configure and compare Internet Explorer and Netscape Navigator.
- Use software such as IIS, FrontPage, and LiveWire to manage a web site.
- Discuss the Business aspects of internets/intranets.

*This learning outcome will constitute approximately 30 % of the course's grade.
(Possible weighting strategy)*

2. Install and support contemporary office software suites

Potential elements of the performance:

- Install and configure Microsoft Office and Corel Wordperfect in a network environment.
- Study the use of the suites in the generation of web content.

*This learning outcome will constitute approximately 15 % of the course's grade.
(Possible weighting strategy)*

3. Support groupware applications in NT Server or Netware Intranetware environments.

Potential elements of the performance:

- Install, configure and use Microsoft Backoffice suite.
- Install, configure and use Netscape Suitespot.
- Discuss the application of the various components of the applications.
- Compare the two applications.

*This learning outcome will constitute approximately 30 % of the course's grade.
(possible weighting strategy)*

- 4. Install and support groupware applications to implement such things as mail, messaging, database sharing.**

Potential elements of the performance:

- Install and configure Exchange Server and Mail.
- Administer the Exchange Server.

This learning outcome will constitute approximately 10 % of the course's grade. (possible weighting strategy)

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

Potential elements of the performance:

- Discuss the characteristics of network management systems.
- Use the Seagate Desktop Network Management System.

This learning outcome will constitute approximately 10 % of the course's grade. (Possible weighting strategy)

- 6. Specify, install and configure application software to support a variety of users with due consideration of licensing, legal and ethical issues**

Potential elements of the performance:

- Discuss the licensing issues associated with software applications.
- Discuss the techniques used to monitor network licensing and use.

This learning outcome will constitute approximately 5 % of the course's grade. (Possible weighting strategy)

III. TOPICS TO BE COVERED:

- **Note:** These topics sometimes overlap several areas of skill development and are not necessarily intended to be explored in isolated learning units or in the order below

Specific Topics	Approximate Time
1. Web-based application support.	4 Weeks
2. Office Suites.	2 Weeks
3. Groupware.	5 Weeks
4. Mail Systems.	2 Weeks
5. Desktop management.	2 Weeks
6. Application Support and Installation issues.	1 Week

IV. REQUIRED STUDENT RESOURCES/TEXTS:

TEXT BOOK:

Microsoft BackOffice Unleashed, Second Edition Sams Publishing
ISBN 0-672-3185-6

ADDITIONAL RESOURCE MATERIALS:

Additional reference material will either be given to the students or placed in the library for student's use.

Handouts, Guidance, and Material as it relates to the individual topics.

Use of research modes such as INTERNET, Library Data Base Searches, and articles.

REQUIRED INDIVIDUAL STUDENT RESOURCES:

Participation & Teamwork
Box of Disks
Individual Research
Documentation

V. EVALUATION METHODS:

Tests & Quizzes	50%
Assignments and Lab work	50%

The tentative breakdown is as follows:

3 Formal Theory Tests	at 15% each
1 Quiz (best 1 out of 2)	at 05%
3 Major Assignments	at 10% each
2 Minor Assignments	at 05% each
Lab attendance and Participation	at 10%

Some minor modifications to the above percentage may be necessary. The professor reserves the right to adjust the mark up or down 5% based on attendance, participation, leadership, creativity and whether there is an improving trend. Students must have passing grades in the tests and assignments portion to pass the entire course.

- Students must complete and pass both the test and assignment portion of the course in order to pass the entire course.
- All assignments must be completed satisfactorily to complete the course. Late hand in penalties will be 5% per day. Assignments will not be accepted past one week late unless there are extenuating and legitimate circumstances.
- The professor reserves the right to adjust the number of tests, practical tests and quizzes based on unforeseen circumstances. The students will be given sufficient notice to any changes and the reasons thereof.
- A student who is absent for 3 or more times without any valid reason or effort to resolve the problem will result in action taken.

Note: If action is to be taken, it will range from marks being deducted to a maximum of removal from the course.

V. EVALUATION METHODS (Continued):

GRADING SCHEME

1. TESTS

Written tests will be conducted as deemed necessary; generally at the end of each block of work. They will be announced about one week in advance. Quizzes may be conducted without advance warning.

2. ASSIGNMENTS

Assignments not completed by the assigned due-date will be penalized by 5% per day late. All assignments must be completed satisfactorily to complete the course.

3. GRADING SCHEME

A+	90 - 100%	Outstanding achievement
A	80 - 89%	Excellent achievement
B	70 - 79%	Average Achievement
C	60 - 69%	Satisfactory Achievement
R	less than 60	Repeat
X	A temporary grade that is limited to instances where exceptional circumstances have prevented the student from completing objectives by the end of the semester. An X grade must be authorised by the Chairperson. It reverts to an R if not upgraded in an agreed-upon time, less than 120 days.	

4. UPGRADING OF INCOMPLETE

When a student's course work is incomplete or final grade is below 60%, there is the possibility of upgrading to a pass when the student's performance warrants it. Attendance and assignment completion will have a bearing on whether upgrading will be allowed. A failing grade on all tests will remove the option of any upgrading and an R grade will result. The highest grade on re-written tests or assignments will be 60%. Where a student's overall performance has been consistently unsatisfactory, an R grade may be assigned without the option of make-up work. The method of upgrading is at the discretion of the professor and may consist of one or more of the following options: assigned make-up work, re-doing assignments, re-writing of tests, or writing a comprehensive supplemental examination.

VI. SPECIAL NOTES:

1. All students should be aware of the Special Needs Office in the college. If you have any special needs such as being visually impaired, hearing disabled, physically disabled, learning disabilities you are encouraged to discuss required accommodations confidentially with the Professor and/or contact the Special Needs Office, Room E1204, Ext 493, or 717, or 491 so that support services can be arranged for you.
2. Your Professor reserves the right to modify the course as he/she deems necessary to meet the needs of students.
3. It is the responsibility of the student to retain all course outlines for possible future use in gaining advanced standing at other post-secondary institutions.
4. Plagiarism
Students should refer to the definition of “academic dishonesty” in the “Statement of 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, as may be decided by the professor.
5. Substitute course information is available at the Registrar’s office.
6. Students must achieve a passing grade in **both** the assignment and the test portions of the course.
7. The topics will not necessarily be covered in the order shown in this course outline.

VII. PRIOR LEARNING ASSESSMENT

Students who wish to apply for advanced credit in the course should consult the professor.