SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE:	Internet Information Server (IIS) for Webmaster
CODE NO. :	OEL833
PROGRAM:	E-Commerce Webmaster Certificate
AUTHOR:	Cindy Trainor

DATE:	January 2007	**PREVIOUS OUTLINE DATED:**	January 2005

TOTAL CREDITS:	3
PREREQUISITE(S)	Intermediate TCP/IP for Webmaster, Windows 2003 Server
HOURS/WEEK:	3

I. COURSE DESCRIPTION:

This course covers principles involved in installing and managing an Internet Information Server (IIS) either for in-house Intranet or public Internet access. Starting with fundamentals of IIS and continuing with the

administration, students will also learn how to configure the server to allow for active content, and how to create and access databases.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will:

1. Demonstrate an understanding of what IIS is and the various configuration options.

   Elements of the Performance:

   - Define Internet.
   - Define Intranet.
   - Describe the role of a web server.
   - Install IIS.
   - Describe IIS subcomponents and architecture.

2. Configure the main subcomponents of the Internet Information Server.

   Elements of the Performance:

   - Demonstrate an understanding of how to configure the WWW Server.
   - Demonstrate an understanding of how to configure the FTP Server.
   - Demonstrate an understanding of how to configure the SMTP Server.
   - Demonstrate an understanding of how to configure the NNTP Server.

3. Demonstrate the ability to administer an IIS server.

   Elements of the Performance:

   - Describe the need for IIS security.
   - Perform the steps required to secure the IIS.
   - Explain the types of IIS authentication.
   - Describe the different IP protocol versions.
   - Perform the steps required to configure IPv4 and IPv6.
   - Complete a Domain Name System (DNS) installation.
   - Describe different methods used to administer IIS.
   - Explain and put into effect different encryption schemes.
   - Describe and apply different forms of logging.

4. Configure for Interactive Content.

   Elements of the Performance:

- Explain Active Content, Active Clients, and Active Servers.
- Demonstrate an understanding of how to configure Active Server Pages (ASP).
- Demonstrate an understanding of how to configure Internet Server Application Programming Interface (ISAPI).

5. Create a secure website from scratch.

Elements of the Performance:

- Demonstrate the ability to create a secure web server capable of serving active server pages and accessing a database.

III. TOPICS

1. Internet Information Server (IIS) Description and Configuration Options
2. Configure the main subcomponents of IIS.
3. Administer an IIS server.
4. Configure IIS for interactive content.
5. Create a secure web site that delivers active content.

IV. REQUIRED RESOURCES / TEXTS / MATERIALS:

The Complete Reference IIS 6, Hendrickson Hofmann, McGraw Hill Osborne, ISBN 0-07-222495-9(Textbook).

V. EVALUATION PROCESS / GRADING SYSTEM

For success of this course, students must complete:

Three Tests (theory)	
Test #1 online	30 %
Test #2 online	30%
Test #3 paper-based (proctored)	40%
Total	**100%**

Final grade will be assigned as a percentage. The home college will determine the grade letter.

VI. SPECIAL NOTES:

1. If you are a student with a disability please identify your needs to the tutor and/or the Centre for Students with Disabilities at your registering college.
2. Students, it is your responsibility to retain course outlines for possible future use to support applications for transfer of credit to other educational institutions.
3. 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.