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<b>COURSE PREFIX/NO:</b>	<b>IST 252</b>
<b>COURSE TITLE:</b>	<b>LAN System Manager</b>
<b>LEC HRS/WEEK:</b>	<b>3.0</b>
<b>LAB HRS/WEEK:</b>	<b>0.0</b>
<b>CREDIT HRS/SEMESTER:</b>	<b>3.0</b>

[Distance Learning Attendance/VA Statement](#)  
[Textbook Information](#)

### **COURSE DESCRIPTION**

This course covers the fundamental skills needed to effectively manage a local network from introductory to advanced.

### **COURSE COMPETENCIES**

Upon successful completion of this course, the student will be able to:

#### **Module I – The Operating System and Active Directory**

- Install Windows Server and create a domain controller.
- Create and use a MMC console.
- Work with Active Directory sites and replication.
- Explain the global catalog and flexible single master operations
- Create, manage, and delete local and domain groups.
- Create and manage computer objects

#### **Module II – Security, Group policy, User Environment and Software Installation**

- Implement account security and password policies
- Define and understand the use of Group Policy.
- Create and use Group Policies using templates and the management console.
- Implement software using Group Policy by publishing and assigning software.
- Plan and Troubleshoot Group Policy Objects

#### **Module III – Active Directory Maintenance and Troubleshooting, Name Resolution, and Certificate Services**

- Monitoring, backing up and restoring Active Directory.
- Use and demonstrate understanding of DNS name resolution, hierarchy levels and queries, Zone transfers, and Active Directory Partitions.
- Create and use Security Certificates and Public Keys

### **COURSE REQUIREMENTS**

All students are responsible for attaining competencies through completion of the following course requirements:

- attending class
- reading assigned material
- completing assigned exercises
- completing lab assignments
- completing all tests

## ATTENDANCE POLICY

The attendance policy as stated in the York Technical College Handbook will be enforced. Makeup tests will not be given for theory tests. If a student must miss a theory test, he/she will get a zero for that test. However, students have the option of taking the comprehensive final. The student's grade on the comprehensive final will replace his/her missed theory test grade. It is the student's responsibility to schedule a time for a make-up hands-on test with his/her instructor.

## ACADEMIC INTEGRITY

The policies stated in the York Technical College Handbook will be enforced. Any student violating the policy will be subject to academic discipline.

## METHOD OF INSTRUCTION

The instructor will discuss the principles introduced in each chapter and demonstrate the methods described there. The student will reinforce this lecture material by reading the textbook as assigned. During this course, the student will be given opportunities to practice on a computer the skills being learned by doing lab assignments. These lab assignments will be vital in learning to use sample software packages, and the student should expect to spend time outside the class period as well as time given during class to complete this work. The student will have an opportunity to review solutions in class. Should a student need additional assistance, instructors will be available during their posted office hours.

## EVALUATION STRATEGIES / GRADING PROCEDURE

A minimum of three tests and five labs will be given covering the above competencies. These tests and the lab work determine the final semester grade as described below. No makeup tests will be given except for the hands-on component of the course. **If a student passes the current Microsoft Certification Exam after the course has begun and before the final exam is given, the student will exempt the final exam.** Passing the Microsoft Certification Exam does not exempt the student from completing all labs, written module exams, and hands-on exams. A minimum grade of C is required for all students in computer technology programs.

## GRADING SCALE

<b>Module I</b>	Tests 60% Homework/Labs 40%	Percent of Final Grade 34%
<b>Module II</b>	Tests 60% Homework/Labs 40%	Percent of Final Grade 33%
<b>Module III</b>	Tests 60% Homework/Labs 40%	Percent of Final Grade 33%

## LETTER GRADES

A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	Below 60

## ENTRY-LEVEL SKILLS

The student must have keyboarding ability and know the fundamentals of the Windows operating system. The student must be able to read and comprehend the assigned material.

**PREREQUISITES:** None

**CO-REQUISITES:** IST 201 or IST 220

**DISABILITY STATEMENT:** Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Office (SRO) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.