

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: TCOM-444 Department: Telecommunications Tech
Course Title: System and Network Monitoring Semester: Fall Year: 2009

Objectives/Competencies

Course Objective	Competencies
1. To become familiar with the concept of Enterprise Network Monitoring.	<ol style="list-style-type: none">1. To be able to demonstrate knowledge about the needs and requirements for a monitoring system for an enterprise network.2. To be able to demonstrate knowledge about the planning process to design for a monitoring system for an enterprise network.3. To understand the network terminology necessary to specify and configure a network monitoring solution.
2. To become familiar with the network services that can be modified.	<ol style="list-style-type: none">1. To be able to demonstrate knowledge of the common monitoring conventions and protocols.2. To be able to demonstrate knowledge of the Simple Network Management Protocol (SNMP).3. To be able to demonstrate knowledge of the remote network monitoring protocol (RMON) that is included in some managed network equipment.

Course Objective	Competencies
3. To become familiar with an actual network monitoring system.	<ol style="list-style-type: none">4. To be able to demonstrate basic knowledge of common network devices such as hosts, switches, servers, and other devices that can be remotely monitored.1. To be able to configure a typical network monitoring system.2. To be able to describe and monitor the remote networked devices.3. To be able to record and analyze the performance of the network based on the recorded data.4. To create triggers and events that will notify the administrators of problems within the network.