

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number:	CSET-480	Department:	Computer Systems Eng. Tech.		
Course Title:	Application Servers	Semester:	Spring	Year:	2008

Objectives/Competencies

Course Objective	Competencies
1.) Students will have an overview common firewall techniques.	<ol style="list-style-type: none"> 1.) Ability to determine the open and closed network ports on a host. 2.) Ability to open and close firewall ports on Linux workstations and servers. 3.) Ability to open and close firewall ports on Windows XP. 4.) Install, configure, and manage a 3-zone firewall appliance.
2.) Students will understand the installation and common configuration of an email server..	<ol style="list-style-type: none"> 1.) Ability to understand install and configure a single host email server for a single host. 2.) Ability to understand install and configure a single host email server for a domain. 3.) Ability to test the email server using a telnet client. 4.) Ability to configure POP3 and IMAP network access to the email server. 5.) Ability to understand and enumerate risks, vulnerabilities, and threats to the email subsystem

Course Objective	Competencies
<p>3.) Students will understand how to install and configure an embedded database server.</p>	<p>systems.</p> <ol style="list-style-type: none"> 1.) Ability to understand install and configure an embedded database server like SQLite and MySQL. 2.) Ability to build and install the server from source code. 3.) Ability to update and patch the embedded database server. 4.) Perform the initial system configuration and create the initial user accounts. 5.) Secure the server. 6.) Open ports in the firewall for network access as necessary.
<p>4.) Students will understand how to install and configure an embedded database server.</p>	<ol style="list-style-type: none"> 1.) Ability to understand install and configure a web server like Apache or IIS. 2.) Ability to build and install the server from source code. 3.) Ability to update and patch the web server. 4.) Perform the initial system configuration and increase the security. 5.) Open ports in the firewall for network access as necessary.

Course Objective	Competencies
<p>5.) Students will understand how to install and configure network file services such as NFS and Samba.</p> <p>6.) Students will understand how to install and configure network file services such as NFS and Samba.</p>	<ol style="list-style-type: none">1.) Ability to understand install and configure remote file services like NFS and Samba.2.) Ability to build and install the server from source code.3.) Ability to update and patch the file server.4.) Perform the initial system configuration and increase the security.5.) Open ports in the firewall for network access as necessary.1.) Ability to understand install and configure remote print services like CUPS.2.) Perform the initial system configuration and increase the security.3.) Open ports in the firewall for network access as necessary.