ITCT 142-CONFIGURING ADVANCED WINDOWS SERVER SERVICES 3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

A comprehensive review in implementing a core Windows Server infrastructure in an existing enterprise environment. Focus is on advanced configuration of services necessary to deploy, manage and maintain a Windows Server infrastructure, business continuity and disaster recovery services as well as access and information provisioning and protection technologies. May be preparation for an industry certification exam.

Prerequisites: MATH-096, ENGL-096 and (RDNG-099 or RDNG 113) or appropriate Math, English, and Reading Accuplacer scores.

Semester Offered: Spring

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in…

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

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

1. Configure advanced features for DHCP, DNS and IPAM

2. Configure and manage iSCSI, BranchCache and FSRM

3. Configure Dynamic Access Control to manage and audit access to shared files

4. Plan and implement multi-domain/forest Active Directory Domain Services deployments

5. Plan and implement a multi-location Active Directory Domain Services deployment

6. Implement and configure Active Directory Domain Services

7. Implement an Active Directory Rights Management Services deployment

8. Implement an Active Directory Federation Services deployment

9. Implement Network Load Balancing (NLB)

10. Implement failover clustering

11. Configure and validate a highly-available network service

12. Deploy and manage VMs in a failover cluster

13. Implement a requirements-based backup and solution