

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

_____ Transfer Course X A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: CSIS 165 Active Directory Services Administration

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 64

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: CSIS 163 Windows Server

COREQUISITE: none

RECOMMENDED PREPARATION: none

SCOPE OF COURSE:

This course provides students with the knowledge and skills necessary to install, configure, and administer Microsoft Windows Active directory services. The course also focuses on implementing Group Policy and understanding the Group Policy tasks required to centrally manage users and computers.

SPECIFIC COURSE OBJECTIVES:

The successful student will be able to:

1. Installing and Configuring Active Directory
2. Installing, Configuring, Managing, Monitoring, and Troubleshooting DNS for Active Directory
3. Configuring, Managing, Monitoring, Optimizing, and Troubleshooting Change and Configuration Management
4. Managing, Monitoring, and Optimizing the Components of Active Directory
5. Configuring, Managing, Monitoring, and Troubleshooting Security in a Directory Services Infrastructure

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

1. Installing and Configuring Active Directory
 - A. Install forests, trees, and domains.
 - B. Create sites, subnets, site links, and connection objects.
 - C. Configure server objects. Considerations include site membership and global catalog designation.
 - D. Transfer operations master roles.
 - E. Verify and troubleshoot Active Directory installation.

- F. Implement an organizational unit (OU) structure.
- 2. Installing, Configuring, Managing, Monitoring, and Troubleshooting DNS for Active Directory
 - A. Install and configure DNS for Active Directory.
 - 1. Integrate Active Directory DNS zones with existing DNS infrastructure.
 - 2. Configure zones for dynamic updates and secure dynamic updates.
 - 3. Create and configure DNS records.
 - B. Manage, monitor, and troubleshoot DNS.
- 3. Configuring, Managing, Monitoring, Optimizing, and Troubleshooting Change and Configuration Management
 - A. Implement and troubleshoot Group Policy.
 - 1. Create and modify a Group Policy object (GPO).
 - 2. Link to an existing GPO.
 - 3. Delegate administrative control of Group Policy.
 - 4. Configure Group Policy options.
 - 5. Filter Group Policy settings by using security groups.
 - 6. Modify Group Policy prioritization.
 - B. Manage and troubleshoot user environments by using Group Policy.
 - C. Install, configure, manage, and troubleshoot software by using Group Policy.
 - D. Manage network configuration by using Group Policy.
 - E. Configure Active Directory to support Remote Installation Services (RIS).
 - 1. Configure RIS options to support remote installations.
 - 2. Configure RIS security.
- 4. Managing, Monitoring, and Optimizing the Components of Active Directory
 - A. Manage Active Directory objects.
 - 1. Move Active Directory objects.
 - 2. Publish resources in Active Directory.
 - 3. Locate objects in Active Directory.
 - 4. Create and manage objects manually or by using scripting.
 - 5. Control access to Active Directory objects.
 - 6. Delegate administrative control of objects in Active Directory.
 - B. Monitor, optimize, and troubleshoot Active Directory performance and replication.
 - C. Back up and restore Active Directory.
 - 1. Perform an authoritative and a nonauthoritative restore of Active Directory.
 - 2. Recover from a system failure.
 - 3. Seize operations master roles.
- 5. Configuring, Managing, Monitoring, and Troubleshooting Security in a Directory Services Infrastructure
 - A. Apply security policies by using Group Policy.
 - B. Create, analyze, and modify security configurations by using the Security Configuration and Analysis snap-in and the Security Templates snap-in.
 - C. Implement an audit policy.
 - D. Monitor and analyze security events.

REQUIRED READING: Microsoft Press, MCSE Training Kit Active Directory., 2000

SUGGESTED READING: None

REQUIRED WRITING:

Problem solving exercises and skills demonstrated in computer homework assignments. A minimum of one page per homework assignment is required.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- X lecture
- laboratory
- X lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Grades for courses are based upon final examinations, mid-term examinations, other tests, assignments, projects, and participation. Faculty will inform students of their grading policy at the beginning of each semester.

50-80%	Assignments
50-20%	Examinations

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit: _____

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

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SIGNATURES ON FILE