MIDSTATE COLLEGE
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SU2004

Course number & Name: MSE 225 Designing a Windows 2000 Directory Services
Credit hours: 4 quarter hours   **Method of Delivery:** Classroom

Course Description: This course provides students with the knowledge and skills necessary to design a Microsoft Windows 2000 directory services infrastructure in an enterprise network. Strategies are presented to assist the student in identifying the information technology needs of an organization, and then designing an Active Directory structure that meets those needs. Upon completion of this course, the student will have covered the necessary topics to attempt Microsoft certification Exam 70-219
Prerequisite: MSE 215 implementing & Administering Windows 2000 Directory Services Infrastructure

Text(s) & Manual(s):   ALS: Designing A Windows 2000 Directory Services Infrastructure
                    ISBN # 0-7356-1132-6
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                    ISBN # 0-7356-1132-6

Author(s): Jill Spealman
Publisher: Microsoft Press

Materials needed for this course:
     Additional Supplies: None
     Hardware/Software and Equipment: None

Topics: Active Directory, Sites, Schema

Learning Objectives: Upon completion of this course, the student will be able to:
- Analyze the current technical environment, including the network architecture, hardware, software, technical standards, DNS environment, and any existing Windows NT domain architecture.

- Create a forest plan, which includes understanding when to use multiple forests, the implications of using multiple forests, and how to design a forest model.

- Design a schema modification plan, which includes creating a schema modification policy, identifying the factors that affect the schema, indicating the reasons for modifying the schema, and explaining the implications of modifying the schema.

- Create a domain plan, which includes defining domains, understanding when to use multiple domains, understanding the effects of using multiple domains, defining a forest root domain, determining which existing domain to use as the forest root domain or whether a dedicated domain should be created and used as the forest root domain, defining a domain hierarchy, naming domains, and planning DNS server deployment.

- Create an organizational unit (OU) plan, which includes defining OUs to delegate administration, to hide objects, and to administer group policy, and planning user accounts and groups, including group types and scopes.

- Create a site topology plan, which includes defining sites, placing domain controllers in sites, defining a replication strategy, and placing global catalog servers and operational masters.

- Create an Active Directory implementation plan, which includes planning a migration from Windows NT 4 Directory Services to Windows 2000 Active

Directory, and planning directory synchronization with Active Directory for Microsoft Exchange Server 5.5 directory service, Novell NetWare Bindery, Novell Directory Services (NDS), and other LDAP-compliant directory services.

Midstate Grading scale:
90 - 100   A
80 - 89   B
70 - 79   C
60 - 69   D
  0 - 59   F

Midstate Plagiarism Policy:
Matters related to academic honesty or contrary action such as cheating, plagiarism, or giving unauthorized help on examinations or assignments may result in an instructor giving a student a failing grade for that academic effort and also recommending the student be given a failing grade for the course and/or be subject to dismissal.

Plagiarism is using another person's words without giving credit to the author. Original speeches, publications, and artistic creations are sources for research. If you use the author's words in your papers or assignments, you must acknowledge the source. Plagiarism is strictly against the academic policy of the college and is grounds for failing the course. If repeated, plagiarism may result in suspension from the college.

Assessment Portfolio Reminder:
Each student is required to prepare an assessment portfolio for graduation. Keep a copy of this syllabus in the portfolio. Use the "Evidence for Success" list for your program, which is already in the portfolio, and instructions from the instructor to determine the assignment(s) that should be in the assessment portfolio.

Instructor Information: Jenn Doty jdoty@midstate.edu 309-261-6936 cell

Participation Requirements: Participation and attendance make up 15% of your grade. You must participate in class discussions to receive full participation credit.

Polices and Procedures:
1) Assignments: Homework is due at the beginning of the class period. All homework is to be turned in with your name, date, and the name of the assignment at top. 70% is the highest score that late or make up work can earn. No make up work is accepted during finals week.
2) Exams: Must be taken on the dates scheduled by the instructor. Failure to take an exam on the scheduled date will result in a grade of "F" (O points). Make-up exams will be given only when special circumstances are approved by the instructor. Make-up exams must be taken in the testing center. It is the student's obligation to make the appropriate arrangements to have a test administered.
3) Attendance: Regular attendance is expected. It is the student's responsibility to notify the instructor when a class will be missed. If you know of a conflict ahead of time, you are welcome to submit projects early.
4) Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project; failure in course; and/or expulsion from the college. For more information refer to the "Academic Dishonesty" policy in the student handbook.
5) Grades: It is the students' responsibility to keep copies of all assignments turned in for a letter grade until the end of the quarter when a final grade has been earned. If a document is lost and no copy is available, the student will not receive credit.
6) Behavior: Cell phones / beepers are prohibited from use in this course. Also, do NOT use e-mail/messenger programs during class. This is not only rude to your instructor, but also distracts you and others around you from the learning experience.
7) Student Responsibility: The following are the student's responsibilities:

- Reading the class textbook and any other material assigned by the instructor, including journals, magazines, white papers, and Internet materials

- Participating in oral presentations and classroom discussions

- Completing all assignments and quizzes/exams

Methods of evaluating student performance: Homework assignments are used to assess students' critical thinking skills. Lab work assignments will be used to measure the students' ability to apply concepts learned from lecture in a hands-on way.

Examination Information: The quizzes and exams will be a combination of fill-in the blank, true/false, multiple-choice questions, scenarios and a hands-on practicum.

Instructor's Grading Scale:

Class attendance and participation	15%
Homework assignments	45%
Exams	40%
	100%

Class Schedule

	Project Description	Chapter
Class 1	**Introduction Night / PreTest**	
Class 2	Chapter One	Ch.1
Class 3 Project Number **1**	**Analyzing a Business Environment** Scenario 1 Worksheet 1: Products and Customers Worksheet Worksheet 2: Business Structures Worksheet	Ch. 2
Class 4 Project Number **1**	Scenario 2 Worksheet 1: Products and Customers Worksheet Worksheet 2: Business Structures Worksheet	
Class 5 Project Number **2**	**Designing a Forest Model** Scenario 1 Worksheet 1: Forest Worksheet	Ch. 3
Class 6 Project Number **2**	Scenario 2 Worksheet 1: Forest Worksheet	
Class 7	**Midterm** **Creating a Domain Plan** Scenario 1 Worksheet 1: Technical Standards Worksheet Exercise 1: Creating a Domain Plan	Ch. 4
Class 8 Project	**Creating a Domain Plan** Scenario 2 Worksheet 1: Technical Standards Worksheet	Ch. 4

	Project Description	**Chapter**
Class 1	**Introduction Night / PreTest**	
Class 2	Chapter One	Ch.1

Number **3**	Exercise 1: Creating a Domain Plan	
Class 9 Project Number **4**	**Using Control Panel to Change Operating System Settings** Scenario 1 Worksheet 1: IT Management Organization Worksheet Exercise 1: Defining an Organizational Unit (OU) Structure	Ch. 5
Class 10 Project Number **4**	Scenario 2 Worksheet 1: IT Management Organization Worksheet Exercise 1: Defining an Organizational Unit (OU) Structure	
Class 11 Project Number **5**	**Using the Registry Editor** Scenario 1 Worksheet 1: Network Architecture Worksheet Exercise 1: Placing Domain Controllers and Defining Sites Scenario 2 Worksheet 1: Network Architecture Worksheet Exercise 1: Placing Domain Controllers and Defining Sites	Ch. 6
Class 12 Project Number 6	**Creating a Forest Plan, a Domain Plan, an Upgrade Plan, and a Recovery Plan** Scenario 1 Worksheet 1: Products and Customers Worksheet Worksheet 2: Business Structures Worksheet Worksheet 3: IT Management Organization Worksheet Worksheet 4: Network Architecture Worksheet Worksheet 5: Windows NT Domain Architecture Worksheet Exercise 1: Creating a Forest Plan, a Domain Plan, a Migration Plan, and a Recovery Plan	Ch. 7
	Final	