

MIDSTATE COLLEGE
411 W. NORTHMOOR RD., PEORIA, IL 61614
(309) 692-4092 (800) 251-4299
Summer 2019

Course: CIS 315 Windows Active Directory

Credit: 4 Quarter Hours **Method of Delivery:** Classroom

Course Description: This course is designed to provide students with the knowledge and skills necessary for designing, deploying, and maintaining Microsoft Windows Active Directory services. Students will learn installation procedures, Active Directory components, Group Policy strategies, replication, configuration, security, and administration techniques.

Prerequisite: CIS 281 Windows Network Administration

Text(s) & Manual(s): Exam 70-640: Windows Server 2008 Active Directory Configuration with Lab Manual and MOAC Labs Online Set by Microsoft Official Academic Course

Author(s): Microsoft Official Academic Course; ISBN 978-0-470-87499-8
March 2010, ©2009

Publisher: Wiley Co.

Materials needed for this course: None

Topics: Group Policy, Audit Policy, Global Catalog, Trust Relationships, Domain Control, Active Directory Forest

Learning Objectives: Upon completion of this course, the student will:

1. Have a basic understanding of Active Directory functions and terms
2. Understand how to implement a new Active Directory Forest
3. Have a basic understanding of Active Directory Sites and their purposes
4. Understand Global Catalogs and FSMO Roles
5. Understand basic Active Directory administration tasks
6. Have a basic understanding of Active Directory security
7. Have a general understanding of Group Policy and Group Policy management
8. Be able to use Group Policy to manage user and computer settings
9. Be able to use Group Policy to distribute and manage software
10. Understand the basics of Active Directory maintenance and troubleshooting
11. Understand Name Resolution and how to configure it
12. Understand Certificate Services and how to implement in an Active Directory environment

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Midstate Grading scale:

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

Midstate Plagiarism Policy:

Plagiarism is using another person's words without giving credit to the author. Original speeches, publications, and artistic creations are sources for research. If students use the author's words in a paper or assignment, they 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. (See the Midstate College catalog and/or Student Handbook for additional information.)

In courses containing writing assignments, the college promotes the use of an electronic resource which compares the student's writing against previously submitted papers, journals, periodicals, books, and web pages. Students and instructors can use this service to reduce the incidence of plagiarism. This electronic resource has been found to conform to legal requirements for fair use and student confidentiality. It is able to provide a report to the student indicating the parts of the assignment that match.

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Instructor: Brian Hughes

Room/phone: N/A

Midstate email: bhughes@midstate.edu

Office Hours: Tuesdays (Rm.130), 5:00 p.m. – 6:00 p.m.

Policies & 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 the top. 70% is the highest score that late or make up work can earn without prior arrangement with the instructor. No makeup 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" (0 points). 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. If you find that an absence is unavoidable, contact the Midstate Office at 692-4092 and leave a message or email me at the address above. If I do not receive a call or email before the missed class period, you will be considered unexcused and no make-up will be allowed for that day. Lab work must be completed in class on furnished equipment. Make-up lab work can be scheduled with the instructor if an absence is unavoidable. Lab work may be scheduled during any class.
- 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 / pagers are prohibited from use in this course. Also, do NOT use email/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 materials assigned by the instructor, including journals, magazines, white papers, and Internet materials. Chapter materials covered during class should be read BEFORE the start of class.
 - Participating in oral presentations and classroom discussions
 - Participating in lab exercises
 - Completing all assignments and quizzes/exams
 - Keep your lab journal up-to-date. This should be at least one (1) paragraph documenting your experience with the lab, such as, any problems you experienced, specific things that you learned, and any other thoughts that come

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to you as the result of the lab assignment. Lab assignments and your lab journal make up 25% of your grade.

Participation Requirements:

- Reading the class textbook and any other materials assigned by the instructor, including journals, magazines, white papers, and Internet materials. Chapter materials covered during class should be read BEFORE the start of class.
- Participating in oral presentations and classroom discussions
- Participating in lab exercises
- Completing all assignments and quizzes/exams

Examination Information:

The quizzes and exams will be a combination of fill-in-the-blank, true/false, multiple-choice and matching questions. A hands-on practicum may be utilized where appropriate. Quizzes will focus mostly on recently covered material, however earlier material will still be included at some points to ensure foundation concepts are fully understood. The midterm will be comprehensive and cover all chapters covered in class to that date. The final will be comprehensive and will cover all chapters covered since the midterm.

Methods of evaluating student performance:

These percentages are approximate values

• Homework Assignments	(100 pts.)	29%
• Lab assignments / Lab journal	(50 pts.)	14%
• Quizzes/Exams	<u>(200 pts.)</u>	<u>57%</u>
• Total:	350 pts.	100%

Instructor's Grading Scale: See Midstate grading scale

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TENTATIVE COURSE SCHEDULE

Week	Dates	Chapter	Objective(s)	Topic	Assignment Due
1	5/21	1	1	Overview of Active Directory	N/A
2	5/28	2	2	Implementing Active Directory	Ch. 2
3	6/4	3,4	3,4	Working with Sites GCs and FSMO Roles	Ch. 3 & 4
4	6/11	5	5	No class, Instructor out of town	
5	6/18	5,6	5,6	Active Directory Administration Security Planning and Administrative Delegation	Ch. 5,6
6	6/25	7	7	Midterm Exam Introduction to Group Policy	N/A
7	7/2	8	8	Configuring User and Computer Environment using Group Policy	Ch. 7 & 8
8	7/9	9,10	9,7	Performing Software Installation with Group Policy Planning a Group Policy Management and Implementation Strategy	Ch. 9 & 10
9	7/16	11	10	Active Directory Maintenance, Troubleshooting, and Disaster Recovery	Ch. 11
10	7/23	12	11	Configuring Name Resolution and Additional Services	Ch. 12
11	7/30	13	12	Configuring Active Directory Certificate Services	Ch. 13
12	8/5	Final Exam			

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