

Spring 2019

Course: CIS 281 - Windows Network Administration

Credit: 4

Method of Delivery: Classroom

Course Description: Students will learn to administer the Windows Server operating system as well as plan and implement a Microsoft Windows Network.

Prerequisite: CIS181: Windows Desktop Administration

Text(s) & Manual(s): MOAC 70-646 Windows Server 2008 Administrator + Labs Online, 1st Ed.

ISBN: 9780470875063

Author(s): Microsoft Official Academic Course, 2010

Publisher: John Wiley

Materials needed for this course:

Additional Supplies: None

Hardware/Software and Equipment: None

Topics: Topics include, but are not limited to, account management, file systems, remote access, security, network protocols, name resolution, virtual private networks, and Active Directory services.

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

1. Understand Windows server implementation planning and deployment process
2. Understand processes related to implementing a network infrastructure (including DNS and DHCP deployment)
3. Understand Active Directory concepts
4. Understand Windows file and print services
5. Understand concepts related to Windows storage solutions
6. Understand Windows server and network security features
7. Understand concepts related to security infrastructure services
8. Understand Server management tasks
9. Understand concepts related to server monitoring
10. Understand concepts related to server backup

Midstate Grading scale:

90 - 100 A

80 - 89 B

70 - 79 C

60 - 69 D

0 - 59 F

Academic Integrity:

Academic integrity is a basic principle of the College's function. Midstate College students are expected to maintain a high level of academic honesty. Contrary actions may result in penalties such as failure of the assignment(s), a lesser grade on assignment(s), failure of the course and/or suspension from the College. The course instructor will review all submitted documents and supporting evidence in connection to the infraction. The course instructor will also review the student's personal file for other notifications of academic dishonesty before determining the level of action to be applied. The course instructor will complete the Academic

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Dishonesty Report form to document and describe the incident and actions taken, then kept on file. The student may appeal the decision to administration, whose decision will be final.

The following (**plagiarism, cheating, deception, sabotage, computer misuse and copyright infringement**) are included in the actions Midstate College considers behavior contrary to the academic integrity policy; however, the policy is not limited to these examples. Further discussion of consequences regarding academic dishonesty are addressed in the Student Handbook.

Plagiarism:

Plagiarism is using another person's words, either by paraphrase or direct quotation, without giving credit to the author(s). Plagiarism can also consist of cutting and pasting material from electronic sources by submitting all or a portion of work for assignment credit. This includes papers, computer programs, music, sculptures, paintings, photographs, etc. authored by another person without explicitly citing the original source(s). These actions violate the trust and honesty expected in academic work. Plagiarism is strictly against the academic policy of Midstate College. Its seriousness requires a measured, forceful response which includes consequences for inappropriate and/or no citation.

In courses containing writing assignments, the College promotes the use of Turnitin 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.

Student Success and Tutoring:

Contact Student Success: Room 110; (309) 692-4092, ext. 1100; studentsuccess@midstate.edu;

The Office of Student Success offers help in the following areas:

- Tutoring: Tutoring is encouraged for students who are doing their best to complete assignments yet still are experiencing difficulty in this course. Tutoring may be provided by the instructor outside of scheduled class times or through the office of Student Success.
- Writing assignment assistance: This may include learning how to conduct research; using proofreading tools such as Turnitin; outlining a topic; and applying MLA/APA standards.
- Math, accounting, and computer skills (including file management).
- Test-taking techniques.
- Note-taking skills development.
- Study skills development.
- Time management.

Instructor: Brian Hughes
Midstate email: bhughes@midstate.edu
6:00 p.m.

Room/phone: N/A
Office Hours: Wed. (Rm.126), 5:00 p.m. –

Policies 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 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. It is the students' responsibility to keep copies of all assignments turned in for a letter grade until the end of the quarter when

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a final grade has been earned. If a document is lost and no copy is available, the student will not receive credit.

2. Exams: Must be taken on the days 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 or other location if agreed upon with the instructor. 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 the instructor 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.

If class is canceled, students will be notified via Midstate email regarding instructions for that week. Students will be required to log into Joule and complete work in order to continue moving forward with the class work. Note: if class isn't held for events like orientation or institutional-wide snow days, attending online is not required.

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. 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.

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. 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%
▪ Quizzes/Exams	(200 pts.)	57%
▪ Labs	(50 pts.)	14%
▪ Total:	(350 pts.)	100%

Instructor's Grading Scale: See Midstate grading scale

TENTATIVE COURSE SCHEDULE

Week	Dates	Chapter(s)	Objective(s)	Topic	Assignment Due
1	2/26	1	1	Planning Server Deployments	N/A
2	3/5	2	2	Planning Infrastructure Services	Ch. 2
3	3/12	3	3	Planning Active Directory Deployment	Ch. 3
4	3/19	5	4	Planning File and Print Services	Ch. 5
5	3/26	6	5	Planning Storage Solutions	Ch. 6
6	4/2			Midterm Exam	N/A
7	4/9	8	6	Planning Server and Network Security	Ch. 8
8	4/16	9	7	Securing Infrastructure Services	Ch. 9
9	4/23	10	8	Managing Server	Ch. 10
10	4/30	11	9	Monitoring Servers	Ch. 11
11	5/7	12	10	Backing Up	Ch. 12
12	5/14	Final Exam			