COLLIN COLLEGE
COURSE SYLLABUS

Course Information

Course Number: ITNW - 1354

Course Title: Administering Windows Server Operating System

Course Description: Introduction to Windows Server 2019 Lab required.

Course Credit Hours: 3
      Lecture Hours: 2
         Lab Hours: 3

Prerequisite: ITNW 1358 or ITCC 1314

Student Learning Outcomes: Upon successful completion of the course, students will:
1. Install Windows Servers in host and computer environments
2. Implement storage solution
3. Implement Hyper-V.
4. Implement Windows Containers.
5. Implement high availability.
6. Maintain and monitor server environments
7. Implement Domain Name System (DNS)
8. Implement DHCP
9. Install and configure Active Directory Domain Services (AD DS)
10. Manage and maintain Active Directory
11. Create and manage Group Policy

Withdrawal Policy: See the current *Collin Registration Guide* for last day to withdraw.

Collin College Academic Policies: See the current *Collin Student Handbook.*

Americans with Disabilities Act Statement: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.
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Instructor: Jeremy Prince
Office: Frisco – Preston Ridge Campus (PRC) \ IT Center Room 210D
Office Hours: M.W 5 – 7 PM. Online. Sat: 3 – 5 PM Frisco IT Center Rm 315: By appointment only.
Campus Phone: 972-377-1515
E-mail: jprince@collin.edu

Class Information:
      Section Number: 250
      Meeting Times: Web Based. No meeting times.
      Meeting Location: Online only
      Minimum Technology Requirement:

- This course will be delivered in an online format. Additional testing requirements including proctoring with student authentication, require a desktop or lap top computer (not a mobile device). A webcam, and microphone will be required. Specific items that are required:
  - Access to Internet to perform labs and engage in interactive Zoom sessions.
  - A computer with the Windows 10 operating system installed, preferably Windows 10 Professional or its equivalent, however, Windows 10 Home Edition will be adequate...
  - If a student does not have access to a Windows PC or Laptop, they may request a Virtual Desktop (VDI). Request for a VDI should be submitted to me by email (jprince@collin.edu) and I will forward that request to the HelpDesk. It may take up to 5 business days to fulfill.
  - A headset that includes audio and a microphone.
  - PC web camera
  - Microsoft Office Word

      Minimum Student Skills: Working knowledge of computers and Microsoft OS
      Netiquette Expectations: Be polite and courteous at all times.

Course Resources:
- Access to internet via PC.
- Ascend Education – Microsoft Introduction to Windows Server 2019.
  - Access Code to be purchased directly from Ascend through Canvas..

Method of Evaluation Grading Criteria:
Labs
1. The labs are a completion grade. As long as the student submits a complete lab, the student will receive credit for the submittal. ·A complete lab is one where all questions are fully addressed. All requested screen shots must be included. If a question cannot be addressed, the student must give a reason as to why the question was not completed.
2. There are 12 required labs: 1,4,5,6,7,9,10,11,12,14,15,16. Each required lab is worth 20 points.
3. Important Note: The Student is expected to answer the questions on the Lab worksheet, and to submit the required screenshots on the worksheet as well. In the past, some students have had difficulty submitting screenshots on the worksheet, so supplementary Word Doc pages can be used for the screenshots. However, **only Microsoft Word document files** will be accepted. If the lab is submitted on a non-Word document file, the lab will **NOT** be credited.

Quizzes
There are 27 short answer quizzes. Most quizzes are no more than 5 questions. The quizzes are not timed and are open resource. Each student can have up to 2 attempts at each quiz. The best of the two attempts will be recorded. The quiz grades will be curved at course end as follows:

Cumulative Quiz Avg	Cumulative Quiz Grade
80 - 100	100
61 - 79	90
51 - 59	80
40 - 49	70
21 – 39	60
< 20	No credit

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Discussions

There are 5 Discussions worth 12 points each. All Discussion points must be addressed to receive full credit. While other sources, including blog posts can be referenced, the student must write their own original post. Each point must include @ 25 – 50 words or 2 – 3 sentences.

Assessments

· There are 3 assessments that each student must complete.

· Each assessment will be worth up to 200 points.

Extra-credit Events

Extra-credit events are those events relevant to the course. In the past they have included the following:

- Joining the Collin chapter of the Information Systems Security Association (ISSA) or the Society of Women Engineers (SWE). The Collin chapter is open to both men and women.
- Attendance at any Workforce or Veteran's sponsored career event.
- Selected Collin or Professional sponsored events.

Each event will be worth 10 points, that will be applied to the student's total test grade. A maximum of 50 points can be applied. Points are only applied after **ALL** required Labs, Discussions and Assessments have been completed and submitted.

Graded Item Due Dates

- Labs are due on the Saturday of their test date week.
- If a student, cannot meet this deadline, the instructor must be notified in advance, or within 2 days after the assignment is due, with a valid reason for the missed deadline. Valid reasons will include medical, family or any documented emergency. All un-submitted assignments will result in a 0-grade entered in the grade book.

Assignments	Points
Quizzes	100
Labs	240
Discussions	60
Tests (3)	600
Total Points	1000

Grades	Points
A	>= 890
B	780-889
C	600-779
D	500 - 599
F	< 500

Note: The following tentative schedule is based upon class needs. The instructor reserves the right to make any schedule changes deemed necessary.

Week #	Topics	Chapter Readings	Items Due
1 Aug 22	-Course Introduction -Module 1 – Section 1 Windows Server 2019 Basics	1.1.1 – 1.1.4	Lab 1 Due 10/1
2 Aug 29	Module 1 Section 2 – Server Core Admin Mod 1 Section 3 – Server Admin Principles and Tools	1.2.1 – 1.3.3	Quizzes – 1,2,3 Due 10/1
3 Sep 5	Mod 2 – 2.1 Understanding Active Directory	2.1 .1 – 2.1.6	Discussion 1 Due 10/1
4 Sep 12	Mod 2 – Domain Controllers and GPOs	2..2.1 – 2.3.3	Lab 4 Due 10/1
5 Sep 19	Mod 2 – Working with GPOs	2.4.1 -2.4.2	Lab 5 Due 10/1 Quizzes: 4,5,6,7 Due 10/1
6 Sep 26	Mod 3 DHCP	3.1.1 - .3.1.5	Test 1 – Mods 1 & 2 Due Date 10/1
7 Oct 3	Mod 3 DNS	3.2.1 -3.2.7	Lab 6 Quizzes 8,9 Due Date 11/12
 Oct 10	Mod 4 Volumes and File Systems, Sharing	4.1.1 – 4.2.3	
Oct 17	Mod 4 Storage, Data Deduplication and iSCSI	4.3.1 – 4.5.3	Lab 7 Discussion 2 Quizzes 10,11,12,13,14 Due 11/12
8 Oct 24	Mod 5 Hyper-V and Configuring VMs	5.1.1 – 5.2.4	Lab 9 Due 11/12
9 Oct 31	Mod 5 Containers and Kubernetes	5.3.1 – 5.4.2	Lab 10 Discussion 3 Quizzes 15,16,17,18 Due 11/12
10 Nov 7	Mod 6 Clustering	6.1.1 – 6.3.2	Test 2 – Mods 3,4,5 Lab 11,12 Discussion 4 Quizzes 19,20,21 Due 12/10
11 Nov 14	Mod 7 DR and HA Mod 7 Backups and Restores	7.1.1 – 7.2.2 7.3.1 – 7.3.3	Lab 14 Quizzes 22.23.24 Due 12/10
12 Nov 21	Mod 8 Monitoring Planning and Troubleshooting	8.1.1 – 8.1.5 8.2.1 – 8.3.1	Lab 15,16 Discussion 5 Quizzes 25,26,27 Due 12/10
13 Nov 28	End of Semester Makeup Week		
14 Dec 5	Finals Week		Test 3 – Mods 6,7,8 Due Date 12/10