

ITNW 1313

Computer Virtualization

Spring 2020

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Course Name: ITNW 1313

Course Description

This course teaches required skills to implement and support virtualization of clients and servers in a networked computing environment. This course explores installation, configuration, and management of computer virtualization workstation and servers. This course will also cover cloud based technologies and how virtualization has enabled expansion into the cloud.

Online

This is a full online format class. All communication will go through SPC email and Blackboard. All homework will be completed through Cengage MindTap and Blackboard.

Textbook and Hardware Requirements

We will be using Cengage MindTap to work through and complete assignments. You must have an access code to MindTap Networking that will last through the end of the course and access to the eBook or a physical text book. Also, please note that Cengage Unlimited is a very good option if you are taking multiple classes that use Cengage products. Information for each is listed below.

Required:

Book and Access Code Bundle:

Cengage Hands-On Virtual Computing 2nd Edition with MindTap Bundle ISBN
9781337757188

OR

eBook and Access Code Bundle:

Cengage Hands-On Virtual Computing 2nd Edition eBook and MindTap Code ISBN
9781337289245

OR (BEST OPTION, if you are taking multiple Cengage Courses)

Cengage Unlimited:

Option 1- ISBN: 9780357700037 PAC Cengage Unlimited 4-month \$119.99 List

Option 2- ISBN: 9780357700044 PAC Cengage Unlimited 12-month \$179.99 List

Option 3- ISBN: 9780357700051 PAC Cengage Unlimited 24-month \$239.99

MindTap Course Information

Course Link URL:

<https://www.cengage.com/dashboard/#/course-confirmation/MTPNSPKNSSBD/initial-course-confirmation>

**Instructions for sign up can be found in Blackboard.*

It is extremely important that you watch the videos in the “Getting Started with MindTap Video Series” and in the “Getting Started with Live Virtual Machine Labs Video Series”. You also need to read through the Course Readiness Resources. These will greatly aid you in navigating the course and completing assignments.

You also need to complete a full System Check after signing up for the Cengage course. This can be done from the Cengage menu. This will ensure your computer and web browser are properly configured and optimized for the course.

Assumed Knowledge

It is assumed that you possess basic computer skills relating to using the internet, applications and other basic computing tasks. It is also assumed that you have taken or possess the needed knowledge equal to ITCC1314 Intro to Networks, ITSC1325 PC Hardware and ITNW1354 Implementing and Supporting Servers. If you have not taken those courses, or question your knowledge, please contact me ASAP about how to proceed. It is also assumed that if you run into content you do not understand; you will research that content on your own as well as ask the instructor for assistance.

Software Requirements

A working computer, web browser (suggested: Google Chrome or Mozilla Firefox), Cengage MindTap access, and a reliable internet connection are required for this class. All of this is available at differing computer labs on each campus. Ask your instructor if you need access to an open lab.

Communication

Communication for this class will be conducted through SPC email. All students will be required to check their SPC student email accounts regularly for course updates and announcements. Please include your name, course name, and section number in all email communication.

Attendance Policy

Attendance is measured by how often you access Blackboard and MindTap. You are required to check in weekly and complete all homework assignments within the due dates indicated. If participation drops or you do not check in for two full weeks, you will be dropped from the class.

Reading Assignments

Mandatory, assigned reading is a requirement for this course. You will be required to read and study all assigned content in the textbook before class. Although reading assignments are not taken for a grade, they are required to be successful in this course.

Labs

Each week you will have lab simulations and online live virtual machine labs assigned. You should complete these after reading all of the assigned course material. Watch the videos in the

“Getting Started with Live Virtual Machine Labs Video Series” in the Cengage MindTap course prior to starting your first online lab.

These online virtual machine labs are on real, live equipment. This give you great flexibility in completing the assignments. This also saves you the time and effort required to setup a home lab. If you have questions or difficulties using these labs, email the instructor promptly, and submit a support ticket to Cengage.

Assignments

Procrastination will not serve you well in this course. All assignments will be available in Cengage MindTap or Blackboard and the due date will be indicated. You will also see assignment due dates in the course calendar. You are responsible for knowing the due dates and completing your work accordingly. Waiting until the due date and then having issues (internet issues, family issues, sickness, etc...) is not acceptable. **NO LATE WORK IS ACCEPTED!**

Assignments in Cengage MindTap include the unit study assignments, the unit thinking critically questions, and the unit homework. These can be completed an unlimited amount of times up to the due date. I will take the highest grade, but I encourage you to revisit these several times during the assigned week and again before exams. Grades are only taken on the thinking critically questions and the homework questions.

Quizzes

Each unit in MindTap will have a quiz. This should be taken after completing all reading assigned, all lab simulations and on-line labs assigned, and after completing all of the assignments. You will get one attempt on each quiz, so be sure to read, study and complete all other material before attempting the quiz.

Thinking Critically Questions

There will be a Thinking Critically assignment for each section. These questions will be in an essay format. You need to formulate answers by researching the questions in the book and using other online resources. If you use outside resources, please include a simple reference (a URL link or book name/author). These answers should be comprehensive. That does not mean they necessarily have to be long, but they need to address the scenario given fully. The student is encouraged to approach these questions as if they were in a real job scenario. This means using proper grammar and fully addressing the question as if you were getting paid.

Exams

There will be four exams in this class including a comprehensive final exam. Exams will be posted for one week at a time. They will be timed exams and you will have one attempt. No make-up exams or retakes will be offered.

Grades

Grades will be calculated as follows:

	Possible Points
Labs	10%
Assignments	10%
Quizzes	10%
Thinking Critically	15%
Exam 1	10%
Exam 2	10%
Exam 3	10%
Final Exam	25%

All assignments are mandatory. **I reserve the right to drop or fail you if homework assignments are frequently missed or incomplete.**

Grades will be available through MindTap and Blackboard. Official grades will be updated in Blackboard periodically throughout the semester.

Academic Integrity

It is the aim of the faculty at South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences and possible suspension. Please refer to the SPC General Catalog regarding consequences for cheating and plagiarism. **I reserve the right to administratively drop with an "F" any student whom I suspect of academic dishonesty.**

****Do not, under any circumstances, turn in another student's file as your own. Do not, under any circumstances, give your file to anyone else to turn in as their own. Both situations are representative of academic dishonesty and will be treated as such.****

Disclaimer

Because we will use Blackboard to conduct a portion of this class, please note that the materials you may be accessing in chat rooms, bulletin boards or unofficial web pages are not officially sponsored by South Plains College. The United States Constitution rights of free speech apply to all members of our community regardless of the medium used. We disclaim all liability for data, information or opinions expressed in these forums.

Diversity Statement

In this course, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world, and about ourselves. By promoting diversity and

intellectual exchange, we will not only mirror society as it is, but also model society as it should be and can be.

Special Services

4.1.1.2 Disabilities Statement

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office through the Guidance and Counseling Centers at Reese Center (Building 8) 716-4606, or Levelland (Student Services Building) 716-2577.

Counseling

If at any point in the semester you find yourself having trouble with stress or feel depressed please stop in and see a counselor. Counseling services are available at all campuses. The number for the counseling office is 806-716-2366. Below is a link to SPC's personal counseling services.

<http://www.southplainscollege.edu/information-for/current-spc-students/counseling-current/personal-counseling.php>