Dillard College of Business Administration

Syllabus: Networking and Telecommunications
MIS 3303 Section X20 Online
Spring Semester 2023

Contact Information

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Office hours: Monday 2:00 PM to 4:00 PM; Tuesday 2:00 PM to 4:00 PM; Wednesday 11:00 AM to 12:00 PM; other time by appointment
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Required Course Materials

1. CompTIA Integrated CertMaster Learn + Labs for Network+ (N10-008) (ISBN: 978-1-64274-380-7)
    *   This material is **required**.
    *   You need to purchase the material/access-key from our university bookstore.
    *   After you purchase it from the bookstore, please follow the instruction on D2L to redeem the access key.
2. You must have access to a computer with a webcam that allows you to install needed software, access the course materials, and complete assigned tasks. Especially, the computer must support Respondus Lockdown Browser and Webcam monitoring. For the standard computer requirements, please see page 53 on the University return to campus report. (Chromebooks won't work due to insufficient computing power.)

Other Requirements

This is an online course. Students registered in this course are required to have access to technology (e.g., computers, webcam, software, broadband Internet connection) that allow them to access course materials and complete course assignments, activities, quizzes and exams. *No technical problem at a student's end will be considered for grading purposes.*

Course Description

Telecommunication and Networking applications as they apply to business. An introduction to the technical aspects of telecommunications and networking in business organizations.

Course Prerequisite(s)

MIS3003 and majoring or minoring in MIS.

Learning Goals

I. General Learning Goals:

*   Problem solving and decision-making abilities through critical analysis, evaluation, and interpretation of business information. Students will demonstrate problem solving and decision-making ability through the design of network solutions to fictional business scenarios.

*   Technology Utilization. Class lectures, demonstrations, and labs involve expanded coverage of information technology, such as network traffic capture and analysis software.

These general learning goals are among those established by the Dillard College of Business Administration. General learning goals represent the skills that graduates will carry with them into their careers. While assessing student performance in obtaining these general learning goals, the Dillard College is assessing its programs. The assessments assist us as we improve our curriculum and curriculum delivery.

II. Course Specific Learning Goals: After completing this course, students should be able to:
- Describe OSI model network functions
- Explain IPv4 and IPv6 addressing
- Support IPv4 and IPv6 networks
- Explain network topology and types
- Explain transport layer protocols
- Explain common network services and applications
- Deploy and troubleshoot switches and routers
- Deploy and troubleshoot wireless networks
- Support and troubleshoot secure networks

Course Policies

Missed exams/quizzes/assignments/activities policy: Since this is an Internet course and an ample window of time will be provided in which to take exams and submit quizzes/assignments/activities, there is no provision for late submissions. Only students with conflicts involving authorized University activities or having verified medical circumstances may ask in advance for an exception to this policy. Written verification in either case is mandatory. Arrangements must be made in advance, if at all possible. At the instructor's discretion, a deduction may be assessed for a late exam or quiz/assignment/activity.

Excused absences include active military/police/firefighter assignment, jury duty, university-authorized absences (for example, athlete events or study-abroad programs), and medical emergency. Written documents must be provided for an absence to be considered an excused absence. For more information about university authorized absences, please refer to Midwestern State University Undergraduate Catalog: University policy: authorized absences

Grading and Evaluation

Student's performance will be assessed using the following elements. Make sure you subscribe to D2L notifications, so you will receive all announcements and reminders of these items through email and/or SMS.

- Exams: All exams will be given on D2L and they are all close-book close-notes exams. Respondus Lockdown Browser and Webcam monitoring will be used for proctoring. The exams will consist of multiple-choice and true/false questions; they will cover assigned lessons, labs, videos, and any other assigned materials. All exams are individual work (not team/group/collaborative work).
- Quizzes: One hundred (100) points will be assigned to quizzes. All quizzes are individual work (not team/group/collaborative work). Please study the corresponding lessons before taking the quizzes.
- Assignments: Ninety (90) points will be assigned to labs on CompTIA learn (https://learn.comptia.org). All assignments are individual work (not team/group/collaborative work).
- Activities: Ten (10) points will be assigned to activities. All activities are individual work (not team/group/collaborative work).

Table 1: Points allocated to each element

Element	Points
Exam 1	100
Exam 2	100
Final exam (Exam 3)	100
Quizzes	100
Assignments	90
Activities	10
Total Points	500

Table 2: Grading System

Letter Grade	Points
A	450 or greater
B	400 to 449
C	350 to 399
D	300 to 349
F	Less than 300

Grades will be based on the recorded points only. Personal reasons (e.g., technical problem at a student's end, need a specific grade to graduate, to keep financial aid, to keep straight A record, etc.) are not considered in the grade calculation.

In order to help students keep track of their progress toward course objectives, the instructor for this class will provide a Midterm Progress Report through Navigate. Midterm grades will not be reported on the students' transcript, nor will they be calculated in the cumulative GPA. They simply give students an idea of where they stand at the midpoint of the semester. Students earning below a C at the midway point should schedule a meeting with the professor to discuss their performance in this course.

Academic Integrity

With regard to academic honesty, students are referred to the "Student Honor Creed", including the following statements: "We consider it dishonest to ask for, give, or receive help in examinations or quizzes, to use any unauthorized material in examinations, or to present, as one's own, work or ideas which are not on entirely one's own. We recognize that any instructor has the right to expect that all student work is honest, original work. We accept and acknowledge that responsibilities for lying, cheating, stealing, plagiarism, and other forms of academic dishonesty fundamentally rests with each individual student."

Academic dishonesty (cheating, lying, collusion, and plagiarism) will not be tolerated. The term "cheating" generally means representing someone else's work as your own and includes, but is not limited to:

1. Acting with intent to promote or assist cheating, including soliciting, encouraging, directing, or aiding attempts of fellow students to cheat on an exam or an assignment.
2. Soliciting information about exam questions from students who have taken a test.
3. Intentionally or negligently aiding someone taking an exam or quiz.
4. Looking or glancing at another student's exam while the exam is being taken.
5. Soliciting answers of an exam or an assignment from a fellow student.
6. Using any device to record a test, including eyeglasses, cellphones, watches, and calculators, etc.
7. Acquiring an exam or other academic testing material without the express permission of the professor who authored the exam.
8. Copying, disseminating, spreading, circulating, sharing, or publicizing any questions on an exam given for credit.
9. Violation of exam rules and procedures.

Academic integrity violations are grounds for being dropped from this class with an F and referral to the Dean of Students for disciplinary action, which may result in expulsion from the University.

Americans with Disabilities Act

If a student has an established disability as defined by the Americans with Disabilities Act and would like to request accommodation, that student should please contact me as soon as possible. Any student requesting accommodations should first contact Disability Support Services at 940-397-4140 in room 168 Clark Student Center to document and coordinate reasonable accommodations if you have not already done so.

Syllabus Change Policy

This syllabus is a guide for the course and is subject to change. It is only a guide. Syllabus changes will be communicated by notification on the D2L course home page and may or may not result in document changes. It is the student's sole responsibility to find out from the D2L course home page, other students, or the instructor, if anything affecting the course requirements has changed. Check D2L every day!

Course Schedule (see details in Table 3)

Please keep this syllabus as a reference. Students are responsible for all information contained in the syllabus and for any changes to the syllabus, which will be announced on D2L. Any modifications announced on D2L take precedent over the below schedule.

Course Schedule Table 3: The below table shows weekly schedule for major topics.

Week	Week of	Chapter/module: Topic	Activity, Assignment, Quiz, Exam	Due Date
1	1/17-1/22	Course overview; Syllabus; introduce yourself on D2L Activity 1 and Activity 2		11:59pm on Sunday 1/22
2	1/23-1/29	Lesson1: comparing OSI model network functions	Quiz 1	11:59pm on Sunday 1/29
3	1/30-2/5	Lesson3: deploying ethernet switching	Assignment1: Configure a SOHO Router Quiz 2	Both assign. & quiz due at 11:59pm on Sunday 2/5
4	2/6-2/12	Lesson5: Explaining IPv4 addressing	Assignment2: Capture Network Traffic	11:59pm on Sunday 2/12
5	2/13-2/19	Lesson5: Explaining IPv4 addressing (cont.)	Assignment3: Configure Interface settings Quiz 3	Both assign. & quiz due at 11:59pm on Sunday 2/19
6	2/20-2/26	Exam1 on D2L; it covers lessons 1, 3, and 5; **the exam is available ONLY on Friday, 2/24/2023.**	Exam 1	**11:59pm on Friday 2/24**
7	2/27-3/5	Lesson6: Supporting IPv4 and IPv6 networks	Assign4: Conf. IPv4 Static Addressing Quiz 4	Both assign. & quiz due at 11:59pm on Sunday 3/5
8	3/6-3/12	Lesson7: Routers	Assign5: Use Tools to Test IP Config. Quiz 5	Both assign. & quiz due at 11:59pm on Sunday 3/12
9	3/13-3/19	Spring break		
10	3/20-3/26	Lesson8: Network topologies	Assign6: Configure Static Routing Quiz 6	Both assign. & quiz due at 11:59pm on Sunday 3/26
11	3/27-4/2	Exam2 on D2L; it covers lessons 6, 7, and 8; **the exam is available ONLY on Friday 3/31/2023.**	Exam 2	**11:59pm on Friday 3/31**
12	4/3-4/9	Lesson9: Explaining Transport Layer Protocols	Assign7: Use Network Scanners	11:59pm on Sunday 4/9
13	4/10-4/16	Lesson10: Explaining network services	Assign8: Analyze DNS Server Conf. Quiz 7	Both assign. & quiz due at 11:59pm on Sunday 4/16
14	4/17-4/23	Lesson11: Explaining network applications	Quiz 8	11:59pm on Sunday 4/23
15	4/24-4/30	Lesson14: secure networks	Assign9: Analyze App. Security Conf. Quiz 9	Both assign. & quiz due at 11:59pm on Sunday 4/30
16	5/1-5/7	Lesson15: wireless networks	Quiz 10	11:59pm on Sunday 5/7
Final Exam	Final Exam	Exam3 on D2L; it covers lessons 9, 10, 11, 14, and 15; **the exam is available ONLY on Tuesday, 5/9/2023.**	Exam3	**11:59pm on Tues., 5/9**