



Campus Name

School of Business

2. UNIVERSITY MISSION STATEMENT

Wayland Baptist University exists to educate students in an academically challenging, learning-focused and distinctively Christian environment for professional success, lifelong learning, and service to God and humankind.

3. COURSE NUMBER & NAME:

MISM 5341- VC01, Advanced Computer Networking and Data Management

4. TERM:

Summer 2018 (May 28 – Aug 11)

5. INSTRUCTOR:

Dr. Kenroy C. Wedderburn

6. CONTACT INFORMATION:

Office phone: 806-291-1024

WBU Email: wedderburnk@wbu.edu

Cell phone: optional

7. OFFICE HOURS, BUILDING & LOCATION:

EX: M/T/W/TH 2:30-3:

8. COURSE MEETING TIME & LOCATION:

Meeting day & time: Online

9. CATALOG DESCRIPTION:

Benefits of using computer networks, technology associated with them, and how to design, implement, and manage them. Fundamentals of telecommunications, network topologies, network design strategies, and the implementation of networks into organizations, including a semester project allowing students to design a network application.

10. PREREQUISITE:

MISM 5306

11. REQUIRED TEXTBOOK AND RESOURCE MATERIAL:

BOOK	AUTHOR	ED	YEAR	PUBLISHER	ISBN#	UPDATED
<u>Data Communication and Computer Networks</u>	White	8th	2016	Cengage Learning	9781-30511-6634	4/13/15

12. OPTIONAL MATERIALS**13. COURSE OUTCOMES AND COMPETENCIES:**

- Understand the fundamental principles of electronic communications
- Understand the various protocols used in data communications
- Be able to distinguish the differences between various communications media
- Know the relative advantages and disadvantages of communication media
- Know the different communication and networking models
- Be able to setup and maintain networking systems

14. ATTENDANCE REQUIREMENTS:

As stated in the Wayland Catalog, students enrolled at one of the University's external campuses should make every effort to attend all class meetings. All absences must be explained to the instructor, who will then determine whether the omitted work may be made up. When a student reaches that number of absences considered by the instructor to be excessive, the instructor will so advise the student and file an unsatisfactory progress report with the campus executive director. Any student who misses 25 percent or more of the regularly scheduled class meetings may receive a grade of F in the course. Additional attendance policies for each course, as defined by the instructor in the course syllabus, are considered a part of the University's attendance policy.

15. STATEMENT ON PLAGIARISM & ACADEMIC DISHONESTY:

Wayland Baptist University observes a zero tolerance policy regarding academic dishonesty. Per university policy as described in the academic catalog, all cases of academic dishonesty will be reported and second offenses will result in suspension from the university.

16. DISABILITY STATEMENT:

In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Coordinator of Counseling Services serves as the coordinator of students with a disability and should be contacted concerning accommodation requests at (806) 291-3765. Documentation of a disability must accompany any request for accommodations.

17. COURSE REQUIREMENTS and GRADING CRITERIA:

Exams: (35%) (40 Questions each) – Multiple Choice and True/False - Do in Blackboard

Animate Tests: 20%

- a. There are nine Animate modules with tests each having five questions
- b. Download the **Computer Based ZIP** file from BlackBoard, then unzip the files
- c. To run the animate program, double click on the file animate.exe
- d. For each animate module test:
 - i. do screen shots to show the result of your answers to the question
 - ii. insert each screen shot into MS Word (One for each module)
 - iii. Upload the list of screen shots into the appropriate assignment area on Blackboard

Discussion Forums 15%

Video Assignments: 30% (Upload in Blackboard)

- i) Video Summaries:
 - a. Watch each of the five Videos
 - b. Prepare five papers (one each for each video in sequence) – each paper with three sub headings: **SUMMARY**, **REVIEW** and **CRITIQUE**, in which you summarize, review and critique each video.
 - i. Summary means that you present a summary of the key points
 - ii. Review means that you compare the topics to that presented in the text book and highlight similarities or discrepancies
 - iii. Critique means that you **MUST** identify something negative about the video – that is, is there bias, incorrect information, presentation could be improved etc.
 - c. Minimum one page, maximum three pages, Times New Roman; 12 font; double space.
 - d. Points deducted for spelling/grammar errors.
 - e. Points will be awarded based on you demonstrating that you watched the videos, and that you thoroughly understand the content.
 - f. This is an individual exercise – that is – each student’s summary should be **UNIQUE**.

Youtube URL	Topic	Duration
https://www.youtube.com/watch?v=LANW3m7UgWs	OSI Model (Ch1)	6’ 8”
https://www.youtube.com/watch?v=X2infMqOoEA	Wireless Transmission (Ch3)	4’ 20”
https://www.youtube.com/watch?v=1z0ULvg_pW8	Hubs, Switches, Routers (Ch7)	7’ 21”
https://www.youtube.com/watch?v=7_LPdttKXPc	The Internet (Ch10)	5’

https://www.youtube.com/watch?v=ERp8420ucGs	Encryption (Ch12)	6' 44"
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The letter grade will be based on the following:

90-100 = A

80-89 = B

70-79 = C

60-69 = D

59 and below = F

17.1 Include Grade Appeal Statement: “Students shall have protection through orderly procedures against prejudices or capricious academic evaluation. A student who believes that he or she has not been held to realistic academic standards, just evaluation procedures, or appropriate grading, may appeal the final grade given in the course by using the student grade appeal process described in the Academic Catalog. Appeals may not be made for advanced placement examinations or course bypass examinations. Appeals are limited to the final course grade, which may be upheld, raised, or lowered at any stage of the appeal process. Any recommendation to lower a course grade must be submitted through the Vice President of Academic Affairs/Faculty Assembly Grade Appeals Committee for review and approval. The Faculty Assembly Grade Appeals Committee may instruct that the course grade be upheld, raised, or lowered to a more proper evaluation.”

18. TENTATIVE SCHEDULE

Week	Chapter Reading Assignment/ Learning Outcomes (See Section 12)	Deliverables	Due date
1			
May 28 – Jun 2	Chapter 1 a. Understand the fundamental principles of electronic communications e. Know the different communication and networking models	Video #1 Summary (OSI Model) Animate Module 1 (Ch1) Test	June 2
2	Chapter 2	Animate Module 2 (Ch2) Test	June 9

Jun 3 – Jun 9	a. Understand the fundamental principles of electronic communications	<i>Discussion #1</i>	
3 Jun 10 – Jun 16	Chapter 3	Video #2 Summary (Wireless Transmission)	June 16
	c. Be able to distinguish the differences between various communications media d. Know the relative advantages and disadvantages of communication media		
4 Jun 17 – Jun 23	Chapter 4	Exam 1 (10%)	Jun 23
		Animate Module 3 (Ch4) Test	
		<i>Individual Progress Review with Professor</i>	
5 Jun 24 – Jun 30	Chapter 7	Animate Module 6 (Ch7) Test	Jun 30
		Video #3 Summary (Hubs, Switches, Routers)	
		<i>Discussion #2</i>	
6 Jul 1 – Jul 7	Chapter 8	Animate Module 7 (Ch8) Test	Jul 7
		Animate Module 8 (Ch8) Test	
7 Jul 8 – Jul 14	Chapter 10	Exam 2 (10%)	Jul 14

b. Understand the various protocols used in data communications

Video #4 Summary (The Internet)

Animate Module 9 (Ch10) Test

Animate Module 10 (Ch10) Test

8

Jul 15 – Jul 21

Chapter 11

Animate Module 11 (Ch11) Test

Jul 21

Individual Progress Review with Professor

9

Jul 22 – Jul 28

Chapter 12

Video #5 Summary (Encryption)

Jul 28

Discussion #3

10

Jul 29 – Aug 4

Chapter 13

Exam 3(10%)

Aug 4

f. Be able to setup and maintain networking systems

Evaluation

Aug 11

19. ADDITIONAL INFORMATION

- The **course schedule is tentative** and may be changed during the term as events warrant. Students are responsible for any schedule changes made through announcements or WBU emails.
- Always use your Wayland email and add "**MISM5341 VC01**" in the subject line as well as "your first name, last name and students ID" in the email when communicating with me.
- I will reply to your emails maximum time of 24 hours Mon-Thur or 72 hours if sent on Fri, Sat, Sun (if condition regarding email subject in bullet point above is satisfied) and post your grades on each assignment within one week.