



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, and service to God and humankind.

3. COURSE NUMBER & NAME:

MISM 5341-VC01, Advanced Computer Networking and Data Management

4. TERM:

SUMMER 2020

5. INSTRUCTOR:

Dr. Richard A. Warren

6. CONTACT INFORMATION:

Office phone: Provided on Blackboard Course

WBU Email: Richard.warren@wayland.wbu.edu

7. OFFICE HOURS, BUILDING & LOCATION:

M/T/W/TH/F – 9:30 – 9:30

8. COURSE MEETING TIME & LOCATION:

Meeting day & time: Virtual non-synchronous

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

"Wayland Baptist University has partnered with VitalSource to bring Inclusive Access, which is a digital copy of the required textbook available on Blackboard day one of class. The prices are very competitive with the market and in most cases below the standard cost. The price of the textbook will be billed to your student account. To check the price of the textbook please locate your required course material at <https://bookstore.wbu.edu>, access the textbook it will ask you if you would like to opt-out. If you choose NOT to use this version you MUST opt-out or you will be charged and refunds are not available."

NOTE:

eTextbook cost is included at registration. If you want to buy a hard copy that is fine, but you must OPT-OUT of the eTextbook in the classroom link prior to June 9, 2020.

12. OPTIONAL MATERIALS

13. COURSE OUTCOMES AND COMPETENCIES:

- Discuss the fundamental principles of electronic communications
- Discuss the various protocols used in data communications
- Demonstrate the ability 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:

(Include information about term papers, projects, tests, presentations, participation, reading assignments, etc. and how many points or what percentage of the final grade each of these components or assignments is worth)

The course grading requirements consist of evaluation in the form of:

- 9 each Animate Labs – 18%
- 5 Case Videos – 20%
- 5 each Discussion Forum postings - 20%
- 3 Exams – consists of T/F and multiple choice questions - 42%

Assignment	Number	Points Each	Total
Animate Labs	9	2	18%
Case Videos	5	4	20%
Discussions	5	4	20%
Exams	3	14	42%
			100%

17.1 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	Assignment Activity	Due Date
One	Chapter 1 Readings Post Introduction Discussion Post Discussion # 1 Complete Animate Lab (Mod 1)	May 31, 2020
Two	Chapter2 Readings Complete Case Video # 1 Complete Animate Lab (Mod 2)	June 7, 2020
Three	Chapter 3 Readings Post Discussion # 2 Complete Case Video # 2	June 14, 2020
Four	Chapter 4 Readings Complete Animate Lab (Mod 3) Complete Exam # 1	June 21, 2020
Five	Chapter 7 Readings Post Discussion # 3 Complete Animate Lab (Mod 6)	June 28, 2020
Six	Chapter 8 Readings Complete Case Video # 3 Complete Animate Lab (Mods 7 & 8)	July 6, 2020
Seven	Chapter 10 Readings Complete Animate Lab (Mods 9 & 10) Complete Exam # 2	July 12, 2020
Eight	Chapter 11 Readings Complete Case Video # 4 Complete Animate Lab (Mod 11)	July 19, 2020
Nine	Chapter 12 Readings Post Discussion # 4 Complete Case Video # 5	July 26, 2020
Ten	Chapter 13 Readings Post Discussion # 5 Complete Course Evaluation	August 2, 2020
Eleven	Post Reflection Discussion Complete Exam # 3	August 8, 2020

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.

Animate Lab Guidance

Animate Lab Tests: 18%

- a. There are nine Animate modules, each test consist of 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

Video Case Guidance

Video Case Assignments 5 each: 20% (Upload in Blackboard)

Video Summaries:

- a. Watch each of the five assigned Videos (copy URL & paste in your browser)
- b. Prepare a paper (for each video per assigned week) – each paper must include 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.

Video Case Studies - Online

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”
http://www.youtube.com/watch?v=1z0ULvg_pW8	Hubs, Switches, Routers (Ch7)	7’ 21”
https://www.youtube.com/watch?v=7_LPdtKXPc	The Internet (Ch10)	4’ 48”
https://www.youtube.com/watch?v=ERp8420ucGs	Encryption (Ch12)	6` 44”

Discussion Posts Guidance

Discussion Posts 5 each: 20%

1. Subjects are chosen so that they will not be able to be answered adequately in not less than 300 words and will be consistent with the APA style of writing. Failure to provide References and Citations will result in a grade of “0” for the Assignment. Decision on the adequacy of an answer is the instructor's. It is not subject to debate.
2. Assignments are graded on a 100-point scale. Assignments and Quizzes are due by midnight (11:59 P.M. Central Time) the first Sunday after the assignment is made. They will be considered late, after midnight of date due, and a deduction of 20 points per week will be taken.
3. Discussion Assignments will be submitted through the Discussion Forum in Blackboard. Initial Post must be submitted through the Discussion Forum. The way to do this is to create the posting in a Word Document, correcting spelling and grammar prior to copying and pasting the narrative into the Discussion Forum in Blackboard. Assignments copied and pasted or created in Blackboard will be graded as such and no consideration will be made for format changes to your documents.
4. Assignments not submitted through Blackboard, as indicated above will not be accepted.

Exam Guidance

Three Exams – 42%

The exams consists of True/False and Multiple Choice questions and will cover the materials in a series of chapters. The Exams are on Blackboard.

- Exam # 1 covers chapters 1 through 4
- Exam # 2 covers chapters 7, 8 and 10
- Exam # 3 covers chapters 11, 12, and 13