



**VIRTUAL CAMPUS
SCHOOL OF BUSINESS**

SYLLABUS

1. 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.
2. Course: **MISM 5341** – VC01, Advanced Computer Networking and Data Management
3. Term: **WINTER 2017 – 2018 (Nov 13 – Feb 17)**
4. Instructor: Dr. Kenroy C. Wedderburn
5. Office Phone Number and WBU Email Address: (include area code and the email address to be utilized in this class): 806-291-1024; wedderburnk@wbu.edu
6. Office Hours, Building, and Location Online and phone.
7. Class Meeting Time and Location:
8. 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.
9. Prerequisites: MISM 5306.
10. Required Textbook and Resources:

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

11. Optional Materials:
12. Course Outcome 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
13. Attendance Requirements:
14. Statement on Plagiarism and 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.

15. 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.”

16. Course Requirements and Grading Criteria:

Blog Introduction: 2%

Syllabus TEST Syllabus/Course Outline Quiz:

- i) **5 % for ALL CORRECT or 0% if ANY incorrect**
- ii) **You have multiple opportunities to get all correct**

Exams: (36%) (3 exams x 12%) – (40 Questions each) – Multiple Choice and True/False - Do in Blackboard

Animate Tests: 22%

- a. There are eleven (11 x 2%) Animate modules with tests each having five questions
- b. For each animate module test

Discussion Forums 15% (3 x 5%)

Video Assignments: 20% (5 x 4%) (Upload in Blackboard)

- i) Video Summaries:
 - a. Watch each of the five Videos (5 x 5%)
 - 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.
 - 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_LPdtKXPc	The Internet (Ch10)	5’
https://www.youtube.com/watch?v=ERp8420ucGs	Encryption (Ch12)	6’ 44”

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 Executive Vice President/Provost to the 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.

17. Tentative Schedule: (Calendar, Topics, Assignments)

Week	Subject	Deliverables	Starting date	Due date
1	Chapter 1	Blog Intro (1 %) Syllabus Test (5 % or 0%) Video #1 Summary (OSI Model) Animate Module 1 (Ch1) Test	Nov 13	Nov 19
Survey (5% Bonus Possible)				
Thanksgiving Break (Nov 20-26) No class				
2	Chapter 2	Animate Module 2 (Ch2) Test Discussion #1	Nov 27	Dec 3
3	Chapter 3	Video #2 Summary (Wireless Transmission)	Dec 4	Dec 10
4	Chapter 4	Exam 1 (10%) Animate Module 3 (Ch4) Test	Dec 11	Dec 17
Christmas Break (Dec 20-Jan 2) No class				
5	Chapter 7	Animate Module 6 (Ch7) Test Video #3 Summary (Hubs, Switches, Routers) Discussion #2	Jan 3	Jan 7
6	Chapter 8	Animate Module 7 (Ch8) Test Animate Module 8 (Ch8) Test	Jan 8	Jan 14
Martin Luther King Day (Jan 15) No class				
7	Chapter 10	Exam 2 (10%) Video #4 Summary (The Internet) Animate Module 9 (Ch10) Test Animate Module 10 (Ch10) Test	Jan 15	Jan 21
8	Chapter 11	Animate Module 11 (Ch11) Test	Jan 22	Jan 28
9	Chapter 12	Video #5 Summary (Encryption) Discussion #3	Jan 29	Feb 4
10	Chapter 13	Evaluation	Feb 5	Feb 11
11		Exam 3(10%)	Feb 12	Feb 17

18. Additional information as desired by the faculty member.