Wayland 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.

Contact Information

Course: MISM 3303 VC01 – Information Systems Theory and Practice

Campus: <<WBUonline >>

Term/Session: <<Spring 2 2026>>

Instructor: <<Dr. Kenroy Wedderburn>>

Office Phone Number/Cell #: <<(347)279-2369>>

WBU Email Address: kenroy.wedderburn@wayland.wbu.edu

Office Hours, Building, and Location: <<By Appointment>>

Class Meeting Time and Location: Online Asynchronous

Catalog Description:
Objectives and techniques of planning, organizing, and managing complex information systems development projects, including studies of resources and tools available for scheduling, tracking, and measuring system development productivity. Cases employed to integrate technical and managerial considerations.

Prerequisite:
None

Textbook Information

Required Textbook(s) and/or Required Materials:

BOOK	AUTHOR	VER	YEAR	PUBLISHER	ISBN#
Tech+ CertMaster Learn	CompTIA	3	2025	CompTIA	9781-64274-5269

*This course is part of the **Pioneer Academic Access Program**. You will have access to an eBook, access code, and interactive learning material on the first day of class through your Blackboard course site. You will be notified via email with access instructions and additional information. If the course requires a physical book you can order at bookstore.wbu.edu. You can choose to opt-out, however if you do you will lose access to **EVERY** class/material and have to source through third party vendors.*

Optional Materials: <<List optional materials recommended to enhance student learning>>

Course Outcome Competencies:
- Identify the information systems function and the role of its individual members
- Demonstrate understanding of information systems by organizations to assist with achieving competitive advantage
- Illustrate how data collected by organizations and knowledge gathered by its members can be organized and stored efficiently so that useful information can be extracted in a timely manner.
- Discuss methodologies used by organizations to procure new information systems.
- Explain why the integrity of the data and the reliability of their information systems are so critical to an organization's success.

Attendance Requirements

WBUonline
Students are expected to participate in all required instructional activities in their courses. Online courses are no different in this regard; however, participation must be defined in a different manner. Student "attendance" in an online course is defined as active participation in the course as described in the course syllabus. Instructors in online courses are responsible for providing students with clear instructions for how they are required to participate in the course. Additionally, instructors are responsible for incorporating specific instructional activities within their course and will, at a minimum, have weekly mechanisms for documenting student participation. These mechanisms may include, but are not limited to, participating in a weekly discussion board, submitting/completing assignments in Blackboard, or communicating with the instructor. Students aware of necessary absences must inform the professor with as much advance notice as possible in order to make appropriate arrangements. Any student absent 25 percent or more of the online course, i.e., non-participatory during 2 or more weeks of an 8-week session, may receive an F for that course. Instructors may also file a Report of Unsatisfactory Progress for students with excessive non-participation. Any student who has not actively participated in an online class prior to the census date for any given session is considered a "no-show" and will be administratively withdrawn from the class without record. To be counted as actively participating, it is not sufficient to log in and view the course. The student must be submitting work as described in the course syllabus. Additional attendance and participation policies for each course, as defined by the instructor in the course syllabus, are considered a part of the university's attendance policy.

University Policies

Academic Integrity:
Link to Statement on Academic Integrity

Artificial Intelligence: reference <u>one</u> of the following in regard to how generative artificial intelligence (GAI) such as ChatGPT may or may not be used in this course: Choose A, B or C and delete the others.

      A. No use of any generative AI tools permitted.
          i. Students are required to create and produce all work themselves or with assigned group members. Any work submitted that has used an AI generative tool like ChatGPT will be in immediate violation of the academic integrity

policies for the course and WBU.

    ii. All assignments must be fully created, designed, and prepared by the student(s).

    iii. Any work that uses generative AI will be treated as plagiarism.

B. Generative AI tools permitted in specific context and with proper citations.

    i. Students are allowed to use, reference, or incorporate generative AI tools into specific assignments for this course. When used, students must properly cite the generative AI tool in their submitted work.

    ii. While there is no true substitute for direct help and instruction for your instructor, students may be allowed to use generative AI tools to provide further explanations of course content, readings, and other assignments. Any use of generative AI tools to help further explain or translate content must be properly referenced and cited.

    iii. Specific parameters for generative AI usage are provided by the instructor.

    iv. Any use of generative AI tools outside of the approved instructor parameters will be considered a form of plagiarism and academic dishonesty.

C. Generative AI tools usage encouraged and may be actively assigned in coursework.

    i. Use of generative AI tools is actively encouraged and incorporated in to specific assignments for this course.

    ii. Use of generative AI tools for assignments in brainstorming, content understanding, or revision to work is perfectly acceptable if cited and referenced properly in any submitted work for the course.

    iii. Use of generative AI is encouraged as long as students understand the use of generative AI in the course is to be an assistance tool and not the generator of assignments and submitted work. Ultimately, all submitted work must still reflect student's own work, understanding, and analysis.

    iv. Specific parameters for generative AI usage provided by the instructor.

    v. Any use of generative AI tools outside of the approved instructor parameters will be considered a form of plagiarism and academic dishonesty.

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 Disability Services Coordinator and Academic Coach serves as the coordinator of students with disabilities and must be contacted concerning accommodation requests. Office: (806) 291-1057. Documentation of a disability must accompany any request for accommodations.

Course Requirements and Grading Criteria

The breakout for grades is as follows:

- Required Assignment   2%
- Tech+ Activities   78%
- Discussions   15%
- Devotionals   5%

Discussions:

1. **Discussion Topic: Perform Google searches and read the articles to answer the question:**

a. **Give** at least three substantive reasons why it is important for business managers to understand the management of information systems. (70%)
b. You need to post at least two references for this discussion
c. You need to post at least three paragraphs (at least one paragraph for each reason) each paragraph containing at least six sentences.
d. You are required to submit your post **and then also** respond to at least two of your classmates' posts. The response must contain at least six sentences and demonstrate that you understand the points made (30%)

2. Read the attached article (Management Information Systems - In Business, in Academia, and in The Future) and:
    a. Indicate at least two aspects you were most interested in or appealed to you; and why **[50 mks]**
        i. You need to post at least two paragraphs (at least one paragraph for each aspect) each paragraph containing at least six sentences.
    b. Critique the article....Is there anything that should be left out; or put in; was there any biases or exaggerations etc? **[20 %]**
        i. You need to post at least one paragraph for the critique containing at least six sentences
    c. You are required to submit your post **and then also** respond to at least two of your classmates' posts. The response must contain at least six sentences and demonstrate that you understand the points made **[30 %]**

3. **Data, Big Data, Information, and Knowledge**: how are companies using **data analytics** and other tools to leverage these assets to improve their competitive advantage? (70%)
    a. **NOTE – Read the attached article (Big data.pdf)**
    b. You need to post at least two paragraphs each containing at least six sentences.
    c. In your post you must refer to each of the key terms in the discussion topic (ie **Data, Big Data, Information, Knowledge**, and **data analytics)**
    d. You are required to submit your post **and then also** respond to at least two of your classmates' posts. The response must contain at least six sentences and demonstrate that you understand the points made **[30 %]**

Devotionals

Devotional #1

Read Hosea 4:6
My people are destroyed for lack of knowledge.
Because you have rejected knowledge,
I also will reject you from being priest for Me;
Because you have forgotten the law of your God,
I also will forget your children.

Question: For this week in the course, we focus on data. Information and knowledge can be said to rely on data as fundamental building blocks.

○ In light of this, what are your comments on this scripture?

- How does a lack of knowledge affect children?
- How do you think this relates to you?
- Submit your intial post (at least two reflective paragraphs) and at least one response post to a colleague.

Devotional #2

- During this course, we technology infrastructure. It is a good time to reflect on the fact that God created the entire infrastructure of the heaven and the earth with His Word and His Spirit.
- Read Genesis 1: 1-27
- *Question:*
  - How does this passage impact the way you view the world
  - How does this padssage affect how you view yourself and others?
  - Submit your intial post (at least two reflective paragraphs) and at least one response post to a colleague.

Devotional #3

- Colossians 1:15-17
  - [15] He is the image of the invisible God, the firstborn over all creation. [16] For by Him all things were created that are in heaven and that are on earth, visible and invisible, whether thrones or dominions or [e]principalities or [f]powers. All things were created through Him and for Him. [17] And He is before all things, and in Him all things consist.
- Hebrews 1:3
  - who being the brightness **of *His*** glory and the express image **of His** person, and upholding all things by the **word of His power**,

  One of the topics we cover in this course is networks. Did you know that the bible teaches us that Jesus holds together the physical world? (See Colossians 1:17 and Hebrews 1:3). I remember an old Sherwin Williams advertisement where the company claimed that Sherwin Williams paint was used to paint a rocket for outer space, and also to paint an entire stadium. The ad then closed with the statement, "chances are, we can handle your bathroom." Therefore, if Jesus can hold the entire universe from careening into chaos, chances are, He can handle your situation!
- *Question:*
  - Provide general comments on the knowledge that Jesus holds all things together?
  - How does that knowledge affect your general mindset?
  - Submit your intial post (at least two reflective paragraphs) and at least one response post to a colleague.

Tech+ Certmaster Learn Activities:
The details of which activities are graded are contained in the Activities-to-Complete Table below**.**

The University has a standard grade scale:
A = 90-100, B = 80-89, C = 70-79, D = 60-69, F= below 60, W = Withdrawal, WP = withdrew passing, WF = withdrew failing, I = incomplete. An incomplete may be given within the last two weeks of a long term,

within the last week of an 8-week session, or within the last two days of a microterm to a student who is passing, but has not completed a term paper, examination, or other required work for reasons beyond the student's control. A grade of "incomplete" is changed if the work required is completed prior to the last day of the next long 16-week term or 8-week session, unless the instructor designates an earlier date for completion. If the work is not completed by the appropriate date, the I is converted to an F.

Student Grade Appeals: 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 <u>final</u> 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 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.

Tentative Schedule

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Week # / Class Dates	Tech+ Activities to Complete	Assignments	Due Dates
1 Mar 23	*See Activities-to-Complete Table below for Week details*	**Req'd Assgn (In Blackboard)** Discussion #1	Wed Mar 25 Sun Mar 29
2 Mar 30	*See Activities-to-Complete Table below for Week details*	*Devotional #1*	Sun Apr 5
3 Apr 6	*See Activities-to-Complete Table below for Week details*	Discussion #2	Sun Apr 12
4 Apr 13	*See Activities-to-Complete Table below for Week details*	Devotional #2	Sun Apr 19
5 Apr 20	*See Activities-to-Complete Table below for Week details*	Discussion #3	Sun Apr 26
6 Apr 27	*See Activities-to-Complete Table below for Week details*	*Devotional #3*	Sun May 3
7 May 4	*See Activities-to-Complete Table below for Week details*		Sun May 10

8 May 11	*See Activities-to-Complete Table below for Week details*			Sun May 17

Activities-to-Complete Table

Week	Modules to Complete	Activities to Complete
1	1.0 Understanding Tech Basics	1.5 Module Quiz
2	2.0 Data and Privacy	2.5 Module Quiz
3	3.0 Internet Technologies	3.5 Module Quiz 3.2.7 Lab: clear Broser Cache
4	4.0 Cybersecurity	4.5 Module Quiz 4.1.10 Lab: Clear Browser History
5	5.0 Networking	5.7 Module Quiz
6	6.0 Applications and Software7.0 Operating Systems	6.3.9 Lesson Review 6.2.11 Lab: Use Microsoft Excel
6	7.0 Operating Systems	7.6 Module Quiz
7	8.0 Hardware	8.7 Module Quiz 8.2.7 Lab: Explore the Inside of a Computer
8	9.0 Databases	9.5 Module Quiz 9.1.9 Lab: Run a Report in a Database 9.3.4 Lab: Ensure Valid Input
8	11.0 The Future of Tech	11.1.9 Lesson Review

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Additional Information

i) Please include the course number (MISM3303) on the subject line of your emails to me for quick turnaround. Typical turnaround time for responses are within 24 hours during the week and 48 hours on weekends.

ii) **Late Policy** – Except for the last week of class - I will accept assignments up to a maximum of one week late (points will be deducted at a rate of -5 for each day late). No assignments will be accepted after the one week deadline (other than in extreme situations). No late assignments are accepted for the last week of class*.*

iii) **Make-Up Policy**: No makeup work will be assigned for this course.

iv) Assignments should only be submitted using Blackboard. Assignments must be formatted as a Microsoft Office file (even if not produced using Microsoft Office) or a PDF file. Tech+ assignments are to be done in the Comptia platform. Grades will be not automatically show in Blackboard and will be manually carried over afterwards.

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