

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 VC02 -Information Systems Theory and Practice

Campus: WBUonline

Term/Session: Fall I 2022

Instructor: Dr. Kenroy Wedderburn

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

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

Office Hours, Building, and Location: 9am – 11:30am (Via email and/or phone)

Class Meeting Time and Location: Online

Textbook Information

Required Textbook(s) and/or Required Materials:

BOOK	AUTHOR	ED	YEAR	PUBLISHER	ISBN#
<u>Introduction to Information Systems, ebook</u>	Rainer/Prince	9th	2022	Wiley	9781-11976-1464

*The textbook for this course is part of the **Wayland's Automatic eBook** program. You will have access to an eBook and interactive learning material on the first day of class through your Blackboard course site. The cost of this Automatic eBook will be billed directly to your student account when you register for the course. You will be notified via email with access instructions and additional information. If you do not wish to participate in the Automatic eBook program, you will have the first 12 days of class to opt-out of the program (additional details will be outlined in your email instructions). For more information on the Automatic eBook program, visit the Wayland Bookstore [Automatic eBook FAQ](#) page.*

Optional Materials: <<N/A

Course Information

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

Course Outcome Competencies:

- Demonstrate and understanding of the role of the information systems function in general and the role of its individual members
- Demonstrate understanding of the use 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

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.

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 Director of Counseling, Career and Disability Services serves as the coordinator of students with disability and should be contacted concerning accommodation request at (806) 291-3765. Documentation of a disability must accompany any request for accommodations.

Accessibility issues with content in WBUonline courses or in Blackboard should be addressed to the WBU accessibility coordinator, Dr. Trish Ritschel-Trifilo, trifilot@wbu.edu or call (806) 291-3745.

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 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 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.

Course Requirements and Grading Criteria

The breakout for grades is as follows:

- Exams 30%
- Assignments 1,2,3,4 35%
- Essay Paper 20%
- Discussion #1 10%
- Discussion #2 5%

Exams:

- Two (2) Exams will be given.
- Exams Will be in Blackboard
- Exam #1 will require you to read comprehensively Chapters 1 and 2
- Exam #2 will require you to read comprehensively Chapters 5, 10 and 13

Essay Paper:

- Your Essay Paper is to be uploaded in Blackboard
- Essay Topic: **The Critical Nature of Data Integrity and Information Systems Reliability to the Success of an Organization**
- Scoring

- Content/Coverage of main points/keeping focus on the topic [65 mks]
- Cover Page and References [15 mks]
 - You must have at least three (3) references
 - Use cover page
- Formatting 1 [20 mks]
 - APA formatting is required
 - Minimum of five (5) pages not counting Cover and Reference pages
 - Spelling/Grammar errors will be penalized
 - You must use appropriate sub headings
 - Do NOT use an Abstract, instead use an Introduction.
 - The three above headings are NOT the only ones you should use. Use other headings where relevant
 - At least three credible references

Discussions:

1. **Data, Big Data, Information, and Knowledge:** how are companies using **data analytics** and other tools to leverage these assets to improve their competitive advantage? (90%)
 - a. **NOTE – You need to read Chapter 5 for this discussion**
 - b. You need to post at least three 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 one of your class mates' posts. (10%)
 - e.
2. Discussion Topic: Based on an organization you have worked at, or you have read about - Indicate one Information Systems acquisition method (Chap 13 lists eight of them) and your personal thoughts regarding its pros and cons. (90%)
 - a. **NOTE – You need to read Chapter 13 for this Discussion.**
 - b. You are required to submit your post **and then also** respond to at least one of your class mates' posts. (10%)

Assignments:

- Assignments are to be uploaded in Blackboard by the specified due dates
- Answers should be written in clear English.
- Points will be deducted for Grammar/Spelling errors

Assignment #1

- Do Assignment #1 Welcome Quiz in Blackboard

Assignment #2

Read the attached article (Management Information Systems - In Business, in Academia, and in The Future) and:

- i) Do a summary of the article – (The summary alone must be minimum of 2 pages) [50 mks]
- ii) Indicate your understanding of the role of Information Systems in **general** [20 mks]
- iii) Indicate which aspect(s) you were most interested in or appealed to you; and why [10 mks]
- iv) Critique the article...Is there anything that should be left out; or put in; was there any biases or exaggerations etc? [10 mks]

- v) Formatting [**10 mks**]
 - a. Use headings/subheadings to separate the different areas required
 - b. Minimum of three pages.
 - c. Use cover page, page numbers and double space
 - d. Ensure no grammatical/spelling errors
- vi) You **MUST** Upload in Blackboard in either MS Word or PDF format

Assignment #3

1. In Section 2.4 (In chapter 2) Do Discussion Questions 2, 6, 8 and 11 (**12.5 x 4 mks**)
2. Read the Chapter 2 Closing Case: Domino Pizza and answer the four Questions relating to the case. (**12.5 x 4 mks**)

Assignment #4

- Using Table 4.2 in Chapter 4 as a reference, complete the table below with the **nine types of software attacks given in Table 4.2.**
- Case/Example means you are to find (Googling or searching otherwise) a specific example or case of such an attack in the past. Summarize what happened in maximum three sentences. Start with the date of the specific attack. (**60%**)
- How to Prevent the Attack. Again summarize an effective method used to prevent such an attack. (**30%**)
- List the references used. (**10%**)

Software Attack	Case/Example of the Attack	How to prevent the Attack	References (URLs etc)
Virus			
Worm			

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.

Tentative Schedule

Week # / Class Dates	Reading Topics	Blackboard Assignments / Quizzes	Due Dates
1 Aug 8	Chapter 1: Introduction to Information Systems -	Assignment #1	Wed Aug 10

2 Aug 15	Chapter 2: Organizational Strategy, Competitive Advantage, and Information Systems	Assignment #2	Sat Aug 20
3 Aug 22	Chapter 4: Information Security	Assignment #3	Sat Aug 27
4 Aug 29	Chapter 5: Data and Knowledge Management	Exam #1 (Chap 1,2)	Sat Sep 3
5 Sep 5	Chapter 6: Telecommunications and Networking	Assignment #4 Discussion #1	Sat Sep 10
6 Sep 12	Chapter 10 : Information Systems within the Organization	Submit Essay	Sat Sep 17
7 Sep 19	Chapter 13 Acquiring Information Systems and Applications	Discussion #2	Sat Sep 24
8 Sep 26	Review Chapters 5,10 and 13	Exam #2 (Chap 5,10,13)	Sat Oct 1

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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. **For Discussion Boards – No late postings will be allowed.** Start your discussions early as they are opened early in the course.
- 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.
- v) All assignments (however small) MUST have a cover page to include: Course Number and Name; Student's Name, Instructor's Name; Assignment Name/Title; Date. No cover sheet will mean -5% points.
- vi) If any assignment is numbered, or has multiple questions, the student must clearly indicate which question is being answered for which question. The instructor is not obligated to search for, guess or otherwise try to figure out which answers belong to which questions. If the instructor cannot easily see which answer belong to which question – then the assignment will not be graded.

vii) It is very important that you check your Wayland email at least twice per day (morning and evening). The instructor may need to contact you urgently regarding a matter pertaining to you and time may be of the essence. Ideally you should check your Wayland email regularly.