

AMBERTON UNIVERSITY
e-COURSE SYLLABUS

MGT5905.E1 Information Systems & Technology Management
Fall 2026

PROFESSOR INFORMATION:

Professor: Ron C. Darnell, Ph.D.
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Amberton Email: rdarnell@Amberton.

COURSE INFORMATION:

MGT5905.E1 Information Systems & Technology Management

Level: Graduate

Beginning Date of Session: Saturday, September 12, 2026

Ending Date of Session: Thursday, November 20, 2026

Student access is available to the Student Portal: Saturday, September 12, 2026.

Students enrolled in distance learning courses are not assessed any additional fees for security or identity verification.

PREREQUISITES:

None

TEXTBOOK(S) AND REQUIRED MATERIALS:

Title: Introduction to information systems management
Author: Roy Wood
Publisher: Oklahoma Council for Online Learning Excellence
Year Published: 2024
Edition: 1st
License: Creative Commons Attribution 4.0 International
Available at <https://open.ocolearnok.org/informationssystem/s/>

ISBN: 10: N/A or 13: N/A

Price: Available at <http://amberton.ecampus.com>

Students should verify enrollment in course before purchasing textbooks. Textbook information and ordering options are available through the Amberton Virtual Bookstore. Since no books are sold on campus, students should plan accordingly and purchase their books in advance of the first day of class, allowing time for shipping.

APA REQUIREMENT:

APA (American Psychological Association) style is most commonly used to cite sources within the social sciences. This resource, revised according to the 7th edition, offers examples for the general format of APA research papers, in-text citations, endnotes/footnotes, and the reference page. For more information, please consult the Publication Manual of the American Psychological Association, (7th ed.). All coursework at Amberton University will comply with the standards contained in the APA Publication Manual.

COURSE COMPETENCIES

This course offers a thorough overview of how organizations manage, integrate, and strategically apply information systems (IS) and technology to support operations, make decisions, and gain a competitive edge. Students will examine key topics within IT governance, systems development, enterprise systems, data and knowledge management, cybersecurity, and emerging technologies, such as AI, cloud computing, and digital platforms. The focus is on aligning IT strategy with organizational goals, assessing the role of information systems in innovation and transformation, and understanding managerial responsibilities in managing technology resources.

UPON COMPLETION OF THE COURSE, THE STUDENT WILL BE COMPETENT IN:

1. Differentiating the fundamental components, purposes, and types of information systems used in organizations. (Foundations of Information Systems)
2. Analyzing the key elements of hardware, software, networking, and data storage that support information systems. (IT Infrastructure)
3. Evaluating how information systems contribute to competitive advantage and organizational strategy. (Information Systems Strategy)
4. Assessing approaches to developing and acquiring information systems and technology. (Systems Development and Acquisition)
5. Developing principles of data governance, database design, and data quality management to ensure reliable information resources. (Data Management)
6. Evaluating risks, threats, and mitigation strategies related to information systems security and compliance. (Cybersecurity and Risk Management)
7. Critiquing ethical, legal, and societal implications of information systems use, including issues of privacy, intellectual property, and responsible data stewardship. (Ethical and Legal Considerations in IT Management)
8. Evaluating the potential applications, benefits, and challenges of emerging technologies, including artificial intelligence, IoT, blockchain, and cloud computing. (Emerging Technologies and Artificial Intelligence)
9. Evaluating the role and impact of enterprise resource planning (ERP), customer relationship management (CRM), and supply chain management (SCM) systems. (Enterprise Systems and Integration)
10. Designing frameworks and best practices for IT governance, including alignment with organizational goals and regulatory requirements. (Information Systems Governance)
11. Applying principles of project management and change management to information systems initiatives, ensuring successful implementation and adoption. (IS Project and Change Management)
12. Designing information systems solutions that support decision-making through business intelligence, analytics, and data visualization. (Decision Support and Analytics)
13. Developing strategies for managing the human, cultural, and organizational aspects of information systems, including user adoption, training and communication. (Human and Organizational Factors in IS)
14. Comparing global and cross-cultural challenges in managing information systems, including international standards, outsourcing, and virtual collaboration. (Global and Cross-Cultural Dimensions of IS)
15. Proposing innovative uses of information systems to enhance customer engagement, product development, and digital transformation. (Innovation and Value Creation with IS)
16. Applying artificial intelligence techniques and tools to organizational information systems, evaluating their impact on decision-making, automation, and innovation. (Artificial Intelligence in IS)

ACQUIRED SKILLS

- Align information systems with organizational strategy
- Apply IT governance and project management
- Analyze and manage data, business intelligence, and decision-support tools
- Manage risks, cybersecurity challenges, and ethical considerations
- Leverage emerging technologies, including AI, cloud, and enterprise systems

COURSE POLICIES:

Students are expected to complete and submit written assignments on the assigned due date. Any assignment submitted late (**regardless of circumstances**) will be assessed as a 10% penalty and a 10% penalty for each additional week the assignment is late. For example, if an assignment is submitted 1 week late, a 20% late penalty will be applied to the grade earned. Exceptions will be considered case-by-case only in the event of unexpected catastrophic events. Specific assignment due dates and other requirements are listed in the assignment details. There are no extra-credit assignments.

STUDENTS' RESPONSIBILITIES:

This syllabus contains information, policies, and procedures for a specific course. By enrolling, the student agrees to read, understand, and abide by the policies, rules, regulations, and ethical standards of Amberton University as contained in the current university catalog and schedule of classes.

ATTENDANCE POLICY:

Regular and punctual class attendance and engagement is expected at Amberton University. In case of an absence, it is the student's responsibility to contact the professor as soon as possible. If a student intends on withdrawing from a course, it is the student's responsibility to follow the university's policy on formally withdrawing from a course. **Ceasing to attend classes does not constitute an official withdrawal.**

Attendance in a lecture course is defined as punctual arrival to, and engagement in, a full lecture session. A Student in a lecture course missing more than 20% (two class periods for weekday classes or one class period for Saturday classes) of the class meetings may be assigned a grade of an "F" or withdrawn at the discretion of Amberton University.

Attendance in a distance learning course is defined as active participation in the weekly online class sessions. "Active participation" can be defined as: submitting an academic assignment, taking an exam, engaging in an interactive tutorial, participating in an online discussion forum (or chat session), or initiating (or responding to) a communication with a faculty member about an academic assignment or the subject matter of the course. A student not meeting these requirements may be assigned a grade of an "F" or withdrawn at the discretion of Amberton University.

PLAGIARISM POLICY:

Plagiarism is the presentation of someone else's work as though it were your own. If you use another person's words, ideas, or information; or if you use material from an outside source – whether a book, magazine, newspaper, business publication, broadcast, speech, or electronic media – you must acknowledge that source. Plagiarism is a violation of the University's code of student ethical conduct and is one that is taken seriously. Amberton University operates on an honor system; therefore, honesty and integrity are essential characteristics of all who are associated with the institution. All Amberton students are expected to abide by the honor system and maintain academic integrity in all their work. Amberton University and its instructors monitor student work for plagiarism and reserve the right to submit such work to technology-based plagiarism detection services and applications at any time.

Self-plagiarism means reusing work that you have already published or submitted for a class. It can involve:

- Resubmitting an entire paper
- Copying or paraphrasing passages from your previous work

Self-plagiarism misleads your readers by presenting previous work as completely new and original. Students may not submit the same paper in substance in two or more classes without prior written permission of the instructors involved.

Amberton University students who use Artificial Intelligence (AI) generated content must adhere to the following policies:

Originality: Students must avoid presenting AI generated content as their own original work. It is essential to acknowledge the involvement of AI in the content creation process in order to maintain academic and ethical standards.

Paraphrasing: When using AI generated content, students must rephrase and/or modify the generated text. Paraphrased AI generated content should also be properly cited.

Acknowledgement: When using AI generated content in any assignment, proper credit must be given to the AI system that generated the content. <https://apastyle.apa.org/blog/how-to-cite-chatgpt>

Students agree that by taking this course, all required assignments may be subject to submission for a textual similarity review to Turnitin.com for the detection of plagiarism and self-plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting

plagiarism in future papers. Use of Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com website.

Turnitin is a writing improvement and plagiarism prevention tool which uses special algorithms, to compare text-based student submissions to the Turnitin database and other online sources. Turnitin produces a detailed **similarity report** that can be customized and viewed by instructors and students.

Turnitin “Draft Coach” is a Google based add-on to Turnitin which supports students in developing high-quality academic writing; and serves as an integrity coach. Draft Coach helps address errors and improve the quality of student’s writing by highlighting grammar mistakes, identifying incorrectly cited sources, and scanning for similarity across several databases. By providing formative feedback on how to address citation issues, incorrect grammar, and matches with the Turnitin database, Draft Coach provides explanations to help students become more confident writers, capable of producing higher quality work both in academics and in the workplace.

COURSE OUTLINE AND CALENDAR:

Week	Topics	Competencies	Assignments	Due Dates
Week 1: September 12, 2026 – September 20, 2026	Welcome and Introductions	1. Foundations of Information Systems	Readings: Text: Wood (2024), Chapters 1	
	Course Expectations		Week 1 – Class Zoom Meeting	8:00 PM USCT Wednesday of Week 1
	Foundations of Information Systems		Course Expectations Acknowledgement	Due Sunday of Week 1
			Welcome & Introductions - Forum Activity	Initial response due Thursday of Week 1, response to others due Sunday of Week 1
			Week 1 – Forum Activity	Initial response due Thursday of Week 1, response to others due Sunday of Week 1 of Week 2
			Week 1 - Knowledge Check Quiz	Due Sunday of Week 2
Week 2: September 21, 2026 – September 27, 2026	Types of Information Systems & IT Infrastructure	2. IT Infrastructure 3. Information Systems Strategy	Readings: Text: Wood (2024), Chapters 2, 3	
			Week 2 – Class Zoom Meeting	8:00 PM USCT Wednesday of Week 2
			Week 3 – Forum Activity	Initial response due Thursday of Week 2, response to others due Sunday of Week 2
			Week 2 – Knowledge Check	Due Sunday of Week 2

			Quiz	
Week 3: September 28, 2026 – October 4, 2026	Data Management and Analytics	5. Data Management 12. Decision Support & Analytics	Readings: Text: Wood (2024), Chapter 4	
			Week 3 – Class Zoom Meeting	8:00 PM USCT Wednesday of Week 3
			Week 3 – Forum Activity	Initial response due Thursday of Week 3, response to others due Sunday of Week 3
			Critical Thinking Presentation #1	Due Sunday of Week 3
			Week 3 - Knowledge Check Quiz	Due Sunday of Week 3
Week 4: October 5, 2026 – October 11, 2026	E-Business and Digital Business Systems	3. Information Systems Strategy 14. Global and Cross-Cultural Dimensions of IS/IT	Readings: Text: Wood (2024), Chapter 5	
			Week 4 – Class Zoom Meeting	8:00 PM USCT Wednesday of Week 4
			Week 4 – Forum Activity	Initial response due Thursday of Week 4, response to others due Sunday of Week 4
			Critical Thinking Presentation #1 – Peer Review	Due Sunday of Week 4
			Week 4 – Knowledge Check Quiz	Due Sunday of Week 4
Week 5: October 12, 2026 – October 18, 2026	Enterprise Systems and Organizational Integration	9. Enterprise Systems & Integration 13. Human & Organizational Factors in IS	Readings: Text: Wood (2024), Chapter 6	
			Week 5 – Class Zoom Meeting	8:00 PM USCT Wednesday of Week 5
			Week 5 – Forum Activity	Initial response due Thursday of Week 5, response to others due Sunday of Week 5
			Week 5 – Knowledge Check Quiz	Due Sunday of Week 5
Week 6:	Business	5. Business	Text: Wood (2024),	

October 19, 2026 – October 25, 2026	Intelligence and Decision Support	Analytics 12. Decision Support Systems	Chapter 7	
			Week 6 – Forum Activity	Initial response due Thursday of Week 6, response to others owing Sunday of Week 6
			Week 6 – Class Zoom Meeting	8:00 PM USCT Wednesday of Week 6
			Critical Thinking Presentation #2	Due Sunday of Week 6
			Week 6 – Knowledge Check Quiz	Due Sunday of Week 6
Week 7: October 26, 2026 – November 1, 2026	Cybersecurity and IT Governance	6. Cybersecurity & Risk Management 7. Ethical & Legal Considerations of IS/IT 10. Information Systems Governance	Readings: Text: Wood (2024), Chapter 8, 9	
			Week 7 – Class Zoom Meeting	8:00 PM USCT Wednesday of Week 7
			Week 7 Forum Activity	Initial response due Thursday of Week 7, response to others due Sunday of Week 7
			Critical Thinking Presentation #2 – Peer Review	Due Sunday of Week 7
			Week 7 – Knowledge Check Quiz	Due Sunday of Week 7
Week 8: November 2, 2026 – November 8, 2026	Information Systems Strategy, Global IS, and Innovation	3. Information Systems Strategy 14. Global & Cross- Cultural Dimensions of IS	Readings: Text: Wood (2024), Chapter 10	
			Week 8 – Class Zoom Meeting	8:00 PM USCT Wednesday of Week 8
			Week 8 – Forum Activity	Initial response due Thursday of Week 8, response to others due Sunday of Week 8
			Week 8 – Knowledge Check Quiz	Due Sunday of Week 8
Week 9: November 9, 2026 – November 15, 2026	Emerging Technologies and Artificial Intelligence	15. Innovation & Value Creation with IS 16: Artificial Intelligence in IS	Readings: Text: Wood (2024), Chapters 11	
			Week 9 – Class Zoom Meeting	8:00 PM USCT Wednesday of

				Week 9
			Week 9 – Forum Activity	Initial response due Thursday of Week 9, responses owing Sunday of Week 9
			Critical Thinking Presentation #3	Due Sunday of Week 9
			Week 9 - Knowledge Check Quiz	Due Sunday of Week 9
Week 10: November 16, 2026 – (Thursday) November 19, 2026	Course Retrospective	All (1-16)	Readings	
			Week 10 Forum Activity -	Response due Thursday of Week 10 (Last Day of Class)
			Critical Thinking Presentation #3 – Peer Review	Due Sunday of Week 7
			Week 10 – Course Retrospective	Response due Thursday of Week 10 (Last Day of Class)
Graduation				<i>Thursday May 21, 2026</i>

GRADING CRITERIA:

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Assignment	% of Grade
Class Zoom Meetings	20%
Discussion Forum Activities	25%
Critical Thinking Presentations/Reviews	30%
Knowledge Check Quizzes	25%
Total	100%

Graduate

92 – 100 A

82 – 91 B

72 – 81 C

62 – 71 D

Below 62 F

GRADE NOTIFICATION AND INSTRUCTOR FEEDBACK:

Students should review instructor feedback provided through Moodle or Amberton CampusWeb Portal. Final grades are processed approximately one week after the session and may be viewed through the student portal. Grades will not be released by phone or through unsecured channels. University instructors will not leave a message with comments or grades in any type of media that is not secure.

For questions regarding grades after the semester has ended, students should use their university email account and contact the instructor at the faculty email address as provided above in Professor Information area.

INCOMPLETE GRADES:

An "I" (Incomplete) grade is granted only at the professor's discretion for emergencies or illness.

Students have 30 days from the end of the session to complete the course requirements. If the conditions are not met within this 30-day window, the "I" automatically converts to an "F".

HOW TO WITHDRAW FROM A COURSE:

To be official, the class withdrawal must be in writing and signed by the student requesting the withdrawal; no withdrawal is accepted verbally. Please review the "Schedule of Classes" (online or in-print) for procedures for class changes or withdrawals and the refund policy and schedule.

COURSE DELIVERY METHODOLOGY:

This course is delivered through Moodle. Students are expected to have reliable internet access, basic computer skills, the ability to upload/download files, use Amberton email, and submit assignments in the required format. Students needing assistance should use the Amberton SSO support/ticket process.

HOW TO ACCESS YOUR COURSE:**SINGLE SIGN-ON (SSO) INSTRUCTIONS FOR AMBERTON UNIVERSITY:**

Students should access Amberton systems through the Single Sign-On portal at <https://sso.amberton.edu>. After logging in, students can access Moodle, Amberton email, CampusWeb, and other assigned applications. Students who need help accessing SSO should submit a support request through the SSO support option or contact support@amberton.edu.

MOODLE TUTORIAL:

Upon successful log in and access to the Moodle learning platform, there is a Student Moodle Tutorial course available, to learn about the basics of Moodle. Simply click on the link for the Student Moodle Tutorial and read through the various learning topics: Navigating; Communicating; Assignments & Exams; Grades; and Student Resources.

COURSE COMMUNICATIONS:

Students will communicate with faculty through the Moodle Learning Platform or the Amberton University email system.

EMAIL COMMUNICATION:

Students are expected to use their Amberton email account and Moodle for course communications. Students must use their official university email account for all university related communication and should check their Amberton emails regularly for course and university notices.

Upon completion of a session, all communication and course specific information is removed from the Moodle system. If a student needs to maintain a record of communications or assignments, the student is strongly encouraged to print out or download these items to a disk for their own records.

FORMAT AND SUBMISSION OF ASSIGNMENTS:

Assignments must be submitted through the appropriate Moodle assignment link unless otherwise directed by the instructor. Students are responsible for submitting files in the format required by the instructor.

INSTRUCTOR/COURSE EVALUATION:

Students will have the opportunity to complete an anonymous course and instructor evaluation near the end of the session. Instructions and dates will be provided through Moodle and/or Amberton email.

RESEARCH RESOURCES:

The Amberton Library provides access to full-text articles, peer-reviewed databases, and research tools, with options like Interlibrary Loan (ILL) and TexShare for items outside its collection. For research assistance, students can connect with library staff during operating hours via email (library@amberton.edu), phone (972-

279-6511 ext. 185), "How-to" videos, live online chat, or in person at the Garland campus. The online library is available through Single Sign On (SSO).

MICROSOFT OFFICE 365 EDUCATION:

Amberton University students may access Microsoft 365 Education resources as provided by the university.

GOOGLE WORKSPACE FOR EDUCATION:

Amberton students are assigned a Google Workspace for Education account, including Amberton Gmail, Google Drive, Google Docs, Sheets, and Slides. Students should use their Amberton Google account for course-related work when required.