# Management Information Systems (COSC 3333.061)

**Term:** *Summer 2025 – Long Summer*

**Professor:** Blaine Pace, MBA

**Email:** bpace@uttyler.edu

**Office Hours:** DM through Canvas (preferred), Zoom, email

 **- If your inquiry is grade-related, please make a Zoom appointment.**

**Course Time:** May 12, 2025 – Aug 9, 2025, Online through Canvas

**Course Information**

**This course is a survey of the tools and techniques for the gathering of business information and structuring and manipulation of data to support managerial decision making. Main topic areas include decision support system technology, artificial intelligence tools, expert systems and business applications.**

**Prerequisite: COSC 1307**

**Course Objectives**

The course is designed with the following goals:

- Understanding the role of information systems in organizations

- Understanding the various information systems used

- Understanding the technical infrastructure for information systems

- Understanding data management

- Effectively using appropriate query and search technology to locate and retrieve pertinent

business information

- Understanding the role of technologies to solve business problems

- Formulating a plan for the ethical and effectual usage of AI tools in a hypothetical business scenario while collaborating with others.

**Required Textbooks and Readings**

- **Primary Textbook:** MyLab MIS with Pearson eText for Management Information Systems: Managing the Digital Firm

ISBN-13: 9780136971368 (2021 update)

- **Additional Readings:** Throughout the semester, you will encounter insightful readings assigned and posted on Canvas.

**Computer Account Access**

Students will need a Patriot account and password for computer access. This information can be found at http://www.uttyler.edu/ccs

**Special Course Notes:**

**External Resources:** This course incorporates Pearson MyLab for most assignments and assessments. Detailed instructions will be provided on Canvas.

**Course Structure**

This course will utilize Pearson MyLab for both your textbook and the majority of your assignments.  In addition to the homework and quizzes on MyLab, there will be an "Introduce Yourself" discussion post on Canvas, three group discussion posts on Canvas, and a group project later in the semester.  Finally, your Final Exam will be opened on MyLab during Finals Week.  Aside from the group project, each week's assignments will be due by 8:00 AM on Saturday.  Each week, I will post short video introductions to each module.  Use these videos to inform your studies as the semester progresses.

**Tips for Success in this Course**

1. **Participate.** I encourage you to be deeply engaged, asking questions and talking about the course content with your classmates. You can learn a great deal from discussing ideas and perspectives with your peers and professors. Participation can also help you articulate your thoughts and develop critical thinking skills.

2. **Manage your time.** I understand that students often have busy schedules, and I understand that you have commitments beyond this class. However, doing your best often means carving out enough dedicated time for coursework. Try scheduling specific blocks of time and ensure you have enough time to finish assignments, allowing extra time for any tech issues that might pop up.

3. **Use Canvas notification settings.** Pro tip! Canvas can ensure you receive timely notifications in your email or via text. Be sure to enable notifications to be sent instantly or daily. (Canvas Notification Guide)

4. **Ask for help if needed.** If you are struggling with a course concept, reach out to me and your classmates for support.

5. **Breathe.**  It can be easy to get overwhelmed during college, especially when you have to balance other aspects of life.  So, if you start to feel overwhelmed, be sure to take a moment and breathe.  Step back, regroup, then keep going.

**Graded Course Requirements Information**

**Homework**

Every week, there will be multiple homework assignments connected to that week's reading in MyLab.  These will help solidify your understanding of the reading's contents.

**Quizzes**

Quizzes will be administered on topics previously presented and can include homework, Cases, or assigned readings. They are designed to measure the student's mastery of the material as well as their ability to use these skills in an efficient manner. Quiz questions may come in many different formats.

**Discussion Posts**

Throughout the semester we will have two group discussion posts on Canvas. Each group will post their initial responses to the prompt and reply to the other groups.  More details will be provided in Canvas.

**Final Exam**

The final exam will take place during Finals Week. The final exam is *comprehensive*, covering the entire semester.

**Team Project**

After the first week, students will be split up into small groups for the remainder of the semester.  Halfway through the semester, a group project will be assigned.  More details will be provided on Canvas.

**Grading Structure**

| Assignment | Percentage % |
|---|---|
| Homework | 15% |
| Discussion Posts | 15% |
| Quizzes | 20% |
| Team Project | 20% |
| Final Exam | 30% |
| Total | 100% |

**Grading Scale**
**A - 90.0 points or more**
**B - 80.0 to 89.999 points**
**C - 70.0 to 79.999 points**
**D - 60.0 to 69.999 points**
**F - 59.999 points or less**

**This grading scale is fixed and immutable. Grades are not curved; individual extra credit is not offered, and any requests to unethically "adjust" grades will be reported to the University as an incident of academic dishonesty.**

**Students are encouraged to check their grades often and are responsible for all deadlines.**

**Late Work and Make-Up Exams:**

Make-up exams will be granted at the discretion of the instructor. Make-ups will be given only under extremely unusual circumstances, will be different from exams given during the regular class time and may be penalized up to 50% of the grade. **Permission for a makeup exam must be obtained PRIOR to the regular exam and must include written documentation of the student's absence.**

**Late Assignments** – **Regular assignments are due by 8:00 AM on the corresponding Saturday**. Assignments that are turned in late will be penalized by 20% for each 24 hour period past the deadline and will receive a zero if turned in more than 5 calendar days late.

**Artificial Intelligence Statement**

UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

This course has specific assignments where artificial intelligence (AI) tools (such as ChatGPT or Copilot) are permitted and encouraged. When AI use is permissible, it will be clearly stated in the assignment directions, and all use of AI must be appropriately acknowledged and cited. Otherwise, the default is that AI is not allowed during any stage of an assignment.

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Student Resources

University Policies and Information

**Calendar of Topics, Readings, and Due Dates**

Note: This is a tentative schedule, and subject to change as necessary. Monitor the course page for current deadlines. In the unlikely event of a prolonged university closing, or an extended absence from the university, adjustments to the course schedule, deadlines, and assignments will be made based on the duration of the closing and the specific dates missed.

| Week # | Dates | Class Topic | Readings | Assignments Due |
|--------|-------|-------------|----------|-----------------|
| Week 1 | 5/12-17 | Information Systems in Global Business Today | Syllabus, Chapters 1 | See Canvas |
| Week 2 | 5/19-24 | Global E-Business and Collaboration/ Information Systems, Organizations, and Strategy | Chapters 2 & 3 | See Canvas |
| Week 3 | 5/26 | *Memorial Day Holiday* | | |
| | 5/27-31 | Ethical and Social Issues in Information Systems/ IT Infrastructure and Emerging Technologies | Chapters 4 & 5 | **May 27 – last day to drop with W** |
| **Week 4** | 6/2-7 | Foundations of Business Intelligence: Databases and Information Management | Chapter 6 | See Canvas |
| **Week 5** | 6/9-14 | Telecommunications, the Internet, and Wireless Technology | Chapter 7 | See Canvas |
| **Week 6** | 6/16-21 | Securing Information Systems | Chapter 8 | See Canvas |
| | 6/19 | *Juneteenth/Emancipation Holiday* | | |
| **Week 7** | 6/23-28 | Achieving Operational Excellence and Customer Intimacy: Enterprise Applications | Chapter 9 | See Canvas |
| **Week 8** | 6/30-7/5 | E-commerce: Digital Markets, Digital Goods | Chapter 10 | See Canvas |
| | 7/4 | *Independence Day Holiday* | | |
| **Week 9** | 7/7-12 | Managing Knowledge and Artificial Intelligence | Chapter 11 | See Canvas |
| **Week 10** | 7/14-19 | Enhancing Decision Making | Chapter 12 | |
| **Week 11** | 7/21-26 | Building Information Systems | Chapter 13 | See Canvas |
| **Week 12** | 7/28-8/2 | Making the Business Case for Information Systems and Managing Projects | Chapter 14 | See Canvas |
| **Final** | 8/4-9 | *Final Exam* | | **Scheduled** |