COSC 3333 - Management Information Systems – Fall 2023 (3 credits)

Course Description
Prerequisites: COSC 1307 and MATH 1342. 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 such as Microsoft Access. (The weekly workload may span 9 to 12 hours approximately and depends on individual students' background.)

Course Modality
Online Asynchronous Mode (15-week schedule)

Instructor Information
Dr. Wingyan Chung (wchung@uttyler.edu, office: COB 315.09)
Professor, Computer Science Dept.

Office Hours
Tuesday and Thursday 3:00 - 4:00 pm and by appointment in COB 315.09
Emails will normally be answered within 2 business days; emails received during Friday–Sunday will be answered by the following Tuesday.

Textbook Information
The following textbook is required throughout the semester and is available from the university bookstore and the website linked below.
- [L] = K. Laudon & J. Laudon "Management Information Systems: Managing the Digital Firm, 17ed.," Pearson (2022).

Course Objectives
Upon successful completion of this course, students should be able to:
- Describe various types of information systems (IS), their roles and applications in organizations,
- Explain IS concepts and technical infrastructure related to data storage, business analytics, and enterprise applications in organizations,
- Analyze IS and technology needs of modern businesses and industries,
- Apply IS knowledge and computer software to solving managerial problems, and
- Evaluate societal issues pertaining to the development and use of IS.

Computer Account Access
Students will need a Patriot account and password for computer access. This information can be found at `https://www.uttyler.edu/technology-support/patriots-account/`

Course Materials
This class will use Canvas for course documents, slides, submission of assessment items, assignments, online discussions, quizzes and other class-related materials. Students should check the Canvas site frequently during the semester to keep up to date about course activities. Submissions are due by 11:59:00 pm on the due date (except otherwise stated). Students should submit their work early to avoid last-minute hassles. Email submission is NOT accepted.

Course Grading

Assessment of student performance will be based on the following:

Hands-on Exercises (3 @ 8 points each)	24
Case Studies (4 @ 4 points each)	16
Quizzes (10 @ 3 points each)	30
Class Participation (5 posts @ 2 points each)	10
Final Exam	20
Total Points	100

Grading Scale

A = 90.0 points or more
B = 80.0 to less than 90.0 points
C = 70.0 to less than 80.0 points
D = 60.0 to less than 70.0 points
F = Less than 60.0 points

Course Policies

1. Hands-on Exercises (H) – Hands-on exercises will allow students to learn about IS technologies through simulation, software experiments, prototyping, and/or physical interaction. Late submission (within 3 days after due date) will incur a 30% deduction in score. Submission is closed afterward.

2. Case Studies (S) – Students analyze real-world cases of IS use and application and answer questions on problems, challenges, and managerial issues arising from IS. Late submission (within 3 days after due date) will incur a 30% deduction in score. Submission is closed afterward.

3. Quizzes (Q) – Individual time-limited quizzes (proctored by ProctorU) will be given periodically. Each quiz must be completed by its deadline (and will be closed afterward). Students are expected to be well-prepared before each quiz in order to complete the quiz on time. Missed quizzes cannot be made up without acceptable emergency-related documentation (sent to the instructor before the quiz or within 1 day after the quiz deadline). No late submission and no pause is allowed in each quiz.

4. Class Participation (C) – Class Participation points will be scored by the quantity of quality discussion posts a student contributes regarding relevant topics related to the course. Each post is due on the specified due date of its submission period, after which the submission is closed. No late submission is allowed.

5. Final Exam (E) – Individual comprehensive online final exam (proctored by ProctorU) is scheduled to be done within a 24-hour window. Details of the exam arrangement will be provided.

6. Make-up or Extension for Missed Submissions – Make-up or extension for missed submissions are available ONLY for valid reasons pre-approved by the Office of Student Accessibility and Resources or for serious sickness / emergencies (with doctor's notices / proper documentations submitted prior to or in the same week of the deliverable). To be considered for make-up or a short extension (normally within 1 week after submission is closed), students must email official documentations to the instructor before the due date of the assessment items.

Course Schedule

Week	Start Date	Topic	Materials	Items Due (Day)
1	8/21	Course Introduction; Information Systems and Global Business Today	Syllabus; L-Ch. 1	
2	8/28	E-business; IS, Organizations and Strategy	L-Chs. 2-3	Q1 (Sun.)
3	9/4	IT Infrastructure and Emerging Technologies; Tutorial 1: Problem Solving with Excel	L-Ch. 5	S1 (Sat.), C1 (Sun.)
4	9/11	Databases and Information Management	L-Ch. 6	Q2 (Sun.)
5	9/18	Telecommunications, the Internet, and Wireless Technology	L-Ch. 7	H1 (Sat.)
6	9/25	Enterprise IS and Applications; Tutorial 2: Decision Support with Excel	L-Ch. 9	Q3 (Sun.), C2 (Sun.)
7	10/2	E-commerce and digital markets	L-Ch. 10	S2 (Sat.), Q4 (Sun.)
8	10/9	Managing Knowledge and Artificial Intelligence	L-Ch. 11	Q5 (Sun.), C3 (Sun.)
9	10/16	Enhancing Decision Making; Tutorial 3: Making Data-Driven Decisions with Access	L-Ch. 12	H2 (Sat.); Q6 (Sun.)
10	10/23	Building Information Systems	L-Ch. 13	Q7 (Sun.), C4 (Sun.)
11	10/30	Securing Information Systems	L-Ch. 8	S3 (Sat.); Q8 (Sun.)
12	11/6	Making the Business Case for Information Systems and Managing Projects	L-Ch. 14	H3 (Sat.), Q9 (Sun.)
13	11/13	Ethical and Social Issues in Information Systems	L-Ch. 4	S4 (Sat.), C5 (Sun.)
14	11/20	Managing Global Systems	L-Ch. 15	Q10 (Sun.)
15	11/27	Final Exam (on 12/1)	-	E (Fri.)

Remarks:

L – Course textbook by Laudon & Laudon

H – Hands-on Exercises (due: Sat.)

Q – Quiz (due: Sun.): coverage: Q1 (Ch. 1), Q2 (Chs. 2-3), Q3 (Chs. 5-6), Q4 (Chs. 7, 9), Q5 (Ch. 10), Q6 (Ch. 11), Q7 (Ch. 12), Q8 (Ch. 13), Q9 (Ch. 8), Q10 (Chs. 4, 14)

S – Case Study (due: Sat.)

C – Class Participation (due: Sun.)

E – Final Exam: coverage: Chs. 1-15

Academic Integrity

Academic dishonesty is strictly prohibited and is a violation of the university rules. Any form of dishonesty, such as (but not limited to) plagiarism, cheating, collusion, and copyright infringement, is strictly prohibited and will be punished according to university rules.