



Management Info. Systems

COSC 3333

Summer I - 2022

### **Course Description**

Prerequisite 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 SAP.

### **Class Time**

Asynchronous Online through Zoom

### **Instructor Information**

Dr. Robert P. Schumaker  
Professor, Computer Science Dept.  
rschumaker@uttyler.edu

### **Office Hours**

DM through Slack (preferred), Zoom, email

### **Textbook Information**

Coursepack: <https://hbsp.harvard.edu/import/926171>

### **Course Objective**

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

### **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>

### **Course Documents and Slides**

This class will use Canvas for course documents, slides and other class-related materials. Students are encouraged to check the website frequently during the course of the semester to keep up to date about class changes.



**Course Grading**

Course evaluation will be based on the following:

Quizzes (15 @ 2 points each)	30
Case Discussion (6 @ 2.5 points each)	15
Hands-On Exercises (4 @ 7.5 points each)	30
Class Participation	5
Lifelong Learning	5
Final Exam	15
Total Points	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. While heart-breaking, the Instructor is not responsible for the following consequences for bad grades as reported by former students: assault by family member, delayed graduation, deportation, homelessness, failure to attend grad school, loss of significant other, crushing their hopes and dreams. 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.**

**Course Policies**

1. Quizzes – Quizzes will be administered on topics previously presented and can include lectures, 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. Students will have five minutes to complete the quiz.
2. Case Discussion – Throughout the semester we will analyze business technology cases through Canvas. Students will post their discussion questions and answer others. More details will be provided in Canvas.
3. Hands-On Exercises – Students will have the opportunity to interact with different technologies through simulation, contests, and participation.
4. Final Exam – The final exam will take place during finals week. The final exam is comprehensive, covering the entire semester.
5. Class Participation – Class Participation points will be scored by the quantity of quality discussion a student contributes regarding relevant technology-related articles. The maximum points that can be earned is five.
6. Lifelong Learning – It is imperative for successful individuals to continue learning throughout their lifetime. Professional organizations are a wonderful opportunity to reinvent, retool and build connections with industry leaders. Students that attend a professional technology organization meeting (and email proof of attendance) will receive credit. Upcoming meetings and events can be found on Canvas. Online webinars will be accepted.



7. 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.*
8. Missed Classes, Tests/Quizzes and Assignments – Students who miss class are responsible for getting missed materials and lecture information on their own time from their peers. Any tests/quizzes and/or assignments due during the student's documented absence will be due by 5pm of the day of their return with no penalty.
9. Time Outside of Class – This course is a computer application course that requires students to complete computer application exercises and projects. It is the responsibility of the student to make a **backup** of all assignments or application projects. *If your work is not saved and accessible by the instructor, then it cannot be evaluated and a grade of F will be given for that particular project or assignment.* BACKUPS of projects and tests are imperative in order to avoid lost or damaged data.
10. Memes! If you post a technology-related meme in the class' Slack channel #random before Jun 3 at 5pm, you will receive a bonus point. Keep this to yourself and do not share it with classmates.

**Tentative Course Schedule and Assignments:**

Scheduled dates may vary depending on the pace of the class.

Date	Concept	Assignment Due	Quizzes
May 31	Introduction		
Jun 1	What is MIS?		
Jun 2	Hardware I and Hardware II		
Jun 3	Software	Hands-On Hardware	Hardware
Jun 6	Database		Software
Jun 7	ERP		Database
Jun 8	IOT	Case – Surviving SAP	ERP
Jun 9	Cryptocurrency		IOT
Jun 10	Networking	Hands-On Crypto	Cryptocurrency
Jun 13	Cloud Computing	Hands-On Networking	Networking
Jun 14	A Tour of Amazon AWS		
Jun 15	Programming		Cloud
Jun 16	Security I and Security II	Case – Covid Vaccine	
Jun 17	Hands-On: Exploring the Darkweb		Security
Jun 20	eCommerce	Case – iPremier DoS	
Jun 21	Who's Who in Technology	Hands-On Darkweb	eComm
Jun 22	Business Continuity	Case – L'Oreal Paris	Who's Who
Jun 23	IT Strategy		Continuity
Jun 24	IT Planning	Case – Marie Kondo	Strategy
Jun 27	IT Laws		Planning
Jun 28	IT Ethics	Case – Facebook	Laws
Jun 29	Spreadsheet of Life		
Jun 30	ABCD Intelligence		