

## **ACCT 4491 - ACCOUNTING INFORMATION SYSTEMS**

### **Sections 001 & 002**

**Term:** Spring 2026

**Professor:** David Marks

**Office Phone:** 903-565-5547

**Email:** [dmarks@UTTyler.edu](mailto:dmarks@UTTyler.edu)

#### **Office Hours:**

- **MW:** 1:00pm – 2:00pm, or by appointment.
- **TuTh:** 2:30pm – 4:30pm, or by appointment
- **F:** online by appointment, only:
  - Please make an appointment for online **via link, below**, at least 12 hours in advance to ensure availability.

 [Book time to meet with me](#)

A Microsoft Teams link will be provided in appointment confirmation.

Office hours are open times where you may stop by without an appointment. Be aware that there may be others that come by at the same time. I will do my best to accommodate everyone.

If that does not fit your schedule, I am open to seeing what time would work for you. Please reach out to me through Canvas.

#### **Preferred Means of Communication**

In an effort to ensure that I can respond to your needs promptly and efficiently,

- Email me directly, or
- Visit me during my office hours. I can use either Zoom or meet personally...the choice is yours.

---

## **Course Overview**

An introduction to AIS conceptual foundations, applicable control frameworks, business process applications, internal controls, and Data Analytics. Current technology such as Microsoft Excel, database tools, data visualization tools, and documentation tools are utilized.

#### **Prerequisite**

COSC 1307 and ACCT 3312 with a grade of C or better, or concurrent enrollment in ACCT 3312.

#### **Corequisite**

COSC 1307 and ACCT 3312 with a grade of C or better, or concurrent enrollment in ACCT 3312.

## Student Learning Outcomes

This course is an introduction to accounting information systems and its role in modern business processes. Upon completion of this course, the student will be able:

- Describe the conceptual foundations of accounting information systems;
- Illustrate how accounting information systems relate to financial reporting and decision making within organizations;
- Explain the terminology, components, processes, reports, documents, and procedures inherent in accounting information systems;
- Create financial reporting using current accounting information systems;
- Evaluate the internal controls necessary for adequate accounting information systems;
- Examine common business cycles, including the flow of data through these cycles and the related risks and controls;
- Prepare analytical reports using a variety of tools including, but not limited to, relational databases, spreadsheet software, and data visualization.



*"We are neither hunters nor gatherers. We are accountants."*

CARTOONSTOCK.COM

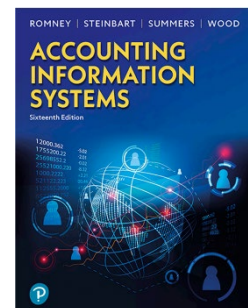
## Required Textbooks and Readings

*Please read the following purchase options carefully. A student of this institution is not under any obligation to purchase a textbook from a university- affiliated bookstore. The same textbook may be also available from an independent retailer, including an online retailer.*

### 1. Accounting Information Systems 16e, Romney, Steinbart, Summers, Wood

This will give you access to the **MyLab** platform and the **e-Text**. While access to MyLab is required, the printed version of this text is optional - see purchasing options below.

- **Required: Purchase options for 12-month access to MyLab plus eText**
  - Direct from Publisher: ISBN 9780138225636 net price \$129.99
  - Print optional (additional cost) – follow link: [Buy the printed textbook](#)



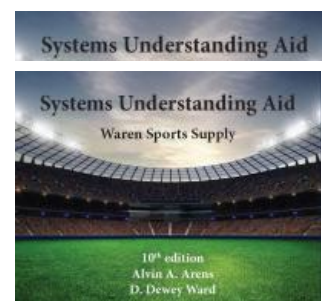
### 2. QuickBooks Online: Basics, Academic Year 2025-2026, Patricia Hartley, MBA

- Minimum requirement: eBook + eLab
  - Print version is optional and an additional cost
- Online Student Price: \$58.00
  - [Publisher Purchasing Page](#)



### 3. **ALTERNATE Project**, If student is QuickBooks Certified (see **Note 2**, below):

- **978-0-912503-75-2**
- Suggested Retail \$78.00 (bookstore price may differ).
- Physical Package Only
- Direct student purchase:
  - <https://new.armonddalton.com/student-instructions/>
- Section Code: **628010a211**



If you purchase direct, you will get the Suggested Retail price but also need to pay shipping. **Do not buy the eSUA (electronic SUA)**; it is not interchangeable.

**Note 1:** if you are **seeking** to get QuickBooks certified, certification is not part of this course. Additional instruction and fees for certification test are required and outside the current course.

**Note 2:** if you are **already** QuickBooks certified, show proof of certification. You will be excused from the QuickBooks requirements. However, you will be required to complete an alternate project on the Accounting Information Cycle.

## Special Course Notes:

### Canvas Mobile App

Canvas has created Canvas Student to help students access their courses while they are away from a computer browser. ***The Canvas Student app comes in handy for checking messages, announcements, and grades.***

#### How to Install the Canvas App

1. On your mobile device, open the App Store.
2. Search for Canvas Student or Canvas Teacher
3. Select the appropriate app, then download and install it.

#### How to Log in to the Canvas App

The first time you log in, you will need to identify your institution and log in with your UT Tyler user ID and password.

1. Open the Canvas app.
2. Tap Find Your School or District.
3. Type the name of your institution. When the full name appears in the search list, tap the name.
4. Type your UT Tyler user ID and password, then tap Login.
5. On the verification page, tap Log In.

Your Canvas dashboard will open.

## Course Structure

This is an upper-division undergraduate course. The understanding of the principles and concepts will be challenging and require active participation by the student. The instructor will facilitate learning through classroom lecture and discussion, case study and analysis, and hands-on introduction to computer tools and techniques, which includes a lab. The class meets twice per week in an in-person lecture format.



- Zoom may be provided as a courtesy for review purposes and is not a substitute for being present in class.

## Competencies developed and/or demonstrated in this course.

- **Computer-Based Skills (in class and/or in Lab)**
  - **Word Processing:** Written assignments for submission will develop skills using a word processing program to assimilate, manipulate, organize, store, and present information.
  - **Spreadsheet:** Written assignments for submission may use a spreadsheet program to develop, evaluate, organize, process, store and present information.
  - **Current Accounting Software:** used to develop skills in processing accounting data and creating useful information.

- **Presentation Software:** Presentation software may be used to facilitate oral presentations.
- **Communication Skills**
  - **Written:** Students are expected to prepare written problem solutions, case analysis, answers to examination questions, and support for cases/projects. They will demonstrate the ability to select, evaluate, and **communicate** information **effectively and concisely** using written, graphic, pictorial, or multi-media methods.
  - **Oral:** Students are expected to participate in class discussions, problem solving, group discussions, and case analysis. They will learn to select, evaluate and communicate information using oral methods as well as develop listening skills.
- **Interpersonal Skills**
  - **Team-Based Abilities** - INTRA-GROUP AND INTER-GROUP COOPERATION: This course is project-oriented and students will work on projects that require team participation.
  - **Leadership:** Leadership is demonstrated by the ability to influence and/or guide towards completion of a common goal. Students may demonstrate those traits through participation in team-based activities.
  - **Conflict Resolution:** Interpersonal conflict resolution may be demonstrated via group discussions and team involvement.
- **Problem Solving (Critical Thinking)**
  - **Conceptual Thinking:** Required by case and problem assignments.
  - **Gathering And Analyzing Data:** Required by assignments, cases, and projects.
  - **Quantitative And Statistical Skills:** Students must apply basic quantitative skills in order to solve selected assignments, cases, projects and assessments.
  - **Creativity And Innovation:** Required by assignments, cases, and projects.
- **Self-Reliance:** Employers demand employees that when given a task, be self-motivated to learn what is necessary to successfully complete the task.

## Question Everything...

- Completion of this course will require a high degree of self-study, contributing to the development of a good work ethic and developing stronger study skills as a result.



### Tips for Success in this Course

- **Read the chapters BEFORE class for that subject.**
- **Participate.** I invite you to actively engage.
  - ask questions,
  - talk about the course content with your classmates.

- You can learn a great deal from discussing ideas and perspectives with your peers and professor.
  - Participation can also help you articulate your thoughts and develop critical thinking skills.
- **Manage your time.** I get it—students usually juggle a lot, and I know you've got commitments beyond this class. Still, doing your best often means carving out enough dedicated time for coursework.
  - Schedule specific blocks of time and ensure you have enough room to finish assignments, allowing extra space for any tech issues that might pop up.
- **Login regularly.** I recommend that you log in to Canvas daily to view announcements, discussion posts and replies to your posts.
- **Do not fall behind.** This class moves at a quick pace and each week builds on the previous class content. If you feel you are starting to fall behind, check in with me as soon as possible so we can troubleshoot together. It will be hard to keep up with the course content if you fall behind in work.
- **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](#))
- **Ask for help if needed.** If you are struggling with a course concept, reach out to me or your classmates for support.

## Graded Course Requirements

### Homework Assignments

- The purpose of the homework is to provide you with the needed practice to master the concepts. The homework will be comprised of reading, watching related videos, exercises, and problems.
- Homework assignments and related detailed information are found on Canvas in individual modules that identify any online and/or in-class assignments.
- Any due date or assignment/project is subject to change at any time by the instructor. Any changes will be announced via Canvas announcement at least one week prior to due date.
- I **may** allow late submissions for homework, up until the test date for that section, for a valid and verifiable reason, and at the discretion of the instructor.
- You will have 2 chances to answer questions in each module and chapter quiz in MyLab (Pearson).
- Give it some thought before you answer the question. It is highly recommended that if you miss the first attempt, go back and review the related concepts before you make the second.

### Exams

- There will be three (3) semester exams.
  - EXAM 1 (Ch 1, 2, 3)
  - EXAM 2 (Ch 10, 13, 14, 15, 18)
  - EXAM 3 (Ch 4, 5, 6, 7)
- Exams may include any additional information provided in class.
- **You will not be permitted to use a cellphone or take bathroom breaks. Please prepare accordingly.**



## Major Assignments listed, below (detailed information will be provided in class):

- **QuickBooks Online Basic:** we will work through topics including:
  - choosing the appropriate subscription level for a business,
  - customizing company-level settings,
  - working with customers,
  - working with vendors
- **Alternate Project for Certified QuickBooks certified students:** Manual AIS project performed on-line involving journal entries, financial statement preparation, and other accounting tasks.
- **Excel Data Analytics Case:** This Excel project shows students how to drill-down into a company's sales and cost data, gaining a deeper understanding of the company's sales and how this information can be used for decision-making. Students will use Excel to analyze the sales and cost transactions for an insurance company. Students will first have to find and correct errors in the data set. Students then will create calculated columns, pivot tables, charts, and a dashboard, and will draw conclusions based on these results.<sup>1</sup>
- **MySQL Case:** This project introduces students to MySQL, a free open-source relational database management system. Students will build a small database and write simple SQL queries, introducing them to the more common SQL commands.
- **PowerBI Data Analytics Case:** This project shows students how to drill-down into a company's sales data, gaining a deeper understanding of the company's sales and how this information can be used for decision-making. Students will use Power BI to analyze the sales and cost from the previous Excel Data set. Students will create table visualizations, slicers, and a dashboard, and will draw conclusions based on these results.<sup>1</sup>

<sup>1</sup> KAT Insurance Corporation: Introductory Managerial Accounting Data Analytics Case, Instructor Guide, Wendy M. Tietz, Kent State University, Jennifer M. Cainas, University of South Florida, Tracie L. Miller-Nobles, Austin Community College.

## Mac Users

- Excel: The Power Query functionalities in Excel may be a challenge if you do not have a dual operating system (both Mac OS and Microsoft Windows). It is encouraged to perform all Excel on a Windows based computer.
- PowerBI Desktop is **not available for the Mac**. This work must be completed on a Windows based computer.



## Classroom Policies and Expectations

- **Attendance:**
  - As one of the U.S. Department of Education regulations, faculty must complete an attendance roster. This allows UT Tyler's Financial Aid and Scholarship Office to verify that students comply with the federal requirement related to attendance,
  - Is a critical indicator of student success.
    - You will understand and absorb the material better if you are prepared and participate in each class period.

- When assigning a student a grade of F, faculty must report the last date a student attended their class based on evidence such as attendance taken, a test, homework completed, participation in a class project or presentation, or an activity reported via Canvas.
  - This date is reported to the Department of Education for federal financial aid recipients.
- **You are expected to show up to class on time.**
  - While there may be situations beyond your control, habitual and disruptive tardiness is not only unprofessional, it demonstrates a lack of respect for the instructor and your fellow classmates.
  - If you find yourself late to class, please be as quiet as possible when entering the class.
- **Courtesy** to the instructor and fellow students is expected. Open discussion is encouraged but derogatory remarks and profanity will not be tolerated in the classroom.
- **Texting and surfing the internet in class for non-academic purposes is not professional nor is it allowed.**
  - **I will stop class and ask you to cease.**
- **Plagiarism** or other form of cheating will be dealt with severely under relevant University policies.
- **Artificial Intelligence (AI):** 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. For this course,
  - You may use AI programs (e.g., ChatGPT) to help generate ideas and brainstorm. However, you should note that the material generated by these programs may be inaccurate, incomplete, or otherwise problematic. Beware that use may also stifle your own independent thinking and creativity.
  - You **may not** submit any work generated by an AI program as your own. If you include material generated by an AI program, it **should be cited** like any other reference material and the **prompts used** to generate the output must be provided. Failure to do so will be considered plagiarism and dealt with as **academic dishonesty**.





- **Student Accessibility and Resources (SAR):** If you have an ongoing medical issue that you feel grants you an exception to classroom policies, contact the **Student Accessibility and Resources (SAR)** office to complete the necessary paperwork.
  - Without the necessary information and supporting documentation that qualifies the student for unique accommodations, no exceptions will be granted.
  - See Canvas page for **Student Resources and University Policies and Information**

## Grading Structure

Assignment	Percent of grade	Points 1,000	Grading Scale:	
MyLab/Romney* @	18.00%	180.0	100 – 90%	A
QBO (Labyrinth) or SUA	12.00%	120.0	89.99 – 80%	B
Excel Data Analytics Project	8.00%	80.0	69.99 – 60%	D
MySQL Project	6.00%	60.0	<60%	F
PowerBI Data Analytics Project	6.00%	60.0		
Writing Analysis	5.00%	50.0		
3 Exams	45.00%	450.0		
Total	100.00%	1,000.0		

Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels.

All grades will all be maintained in the Canvas gradebook. No grade will be released by phone or email. Final letter grades will be posted in Canvas once the semester is complete.

## Late Work and Make-Up Exams:

**Make-up quizzes and exams** will ONLY be given under extreme extenuating conditions such as, but limited to, hospitalization or medical emergency (including COVID related issues), physical injury, or death of an immediate family member.

- You **MUST** provide me proof of your issue in order to qualify for a make-up exam. For extenuating conditions, make-up exams must be taken within three days of your medical release.
  - The SAR office may help in this regard.

**All assignments must be completed on or before 11:59pm on the due dates.** Late assignments may be allowed with a penalty for late work, unless there are emergency situations and documentation is provided (e.g., doctor's note, subpoena, accident report, etc.).

If you need an extension on the homework, let me know before the due date. Please do not wait until the last minute to request an extension.

See **Student Accessibility and Resources (SAR)** under **Classroom Policies and Expectations** for information regarding accommodations related to sustained issues affecting completion of required work.

## Student Resources and University Policies and Information:

Links to Student Resources and University Policies and Information are available in the Canvas module, “UT Tyler Syllabus Module”.

## Student and Professional Organizations

### Beta Alpha Psi & Meet the Firms

Founded in 1919, Beta Alpha Psi is an honor organization for financial information students and professionals. The mission of Beta Alpha Psi, the premier international honor and service organization for financial and business information students and professionals, is to inspire and support excellence by:

- encouraging the study and practice of accountancy, finance, business analytics or digital technology;
- providing opportunities for service, professional development, and interaction among members and financial professionals; and
- fostering lifelong ethical, social, and public responsibilities.

Meet the Firms, hosted by Beta Alpha Psi, is an annual event held on the fourth Thursday of September, where local and regional employers interact with students. This is an excellent opportunity to fine-tune your networking skills and take the first steps to obtain a position with some top companies and organizations! Professional dress is strongly encouraged.

### Texas Society of Certified Public Accountants

Membership Requirements:

The Student Affiliate member category includes part-time and full-time undergraduate and graduate students from two- and four-year colleges or universities majoring in business-related subjects. Upon graduation, a student becomes a candidate.

Student membership in TXCPA includes membership in a local chapter.

**Cost:** Membership dues are free for student members. All memberships are renewed annually on June 1.

### Membership Benefits

- Membership in one of 20 local chapters with access to local networking events and service opportunities
- Scholarship opportunities with TXCPA and local chapters recognizing and supporting students every year.
- Leadership training opportunities with chapter and state-level volunteer opportunities
- Discounts on CPA Exam prep courses and business services
- List TXCPA on your resume to show future employers your commitment to your profession.
- Free job seeker profile on the TXCPA Career Center and access to internship postings

- Access to TXCPA Exchange, an exclusive member-only online forum for questions, knowledge sharing and opportunities to connect with Texas CPAs
- Access to an online searchable member directory of our 28,000 members

TXCPA's member communications keeping you up to date on critical professional issues.



### Important Dates:

- **Monday, Jan 19: Martin Luther King Jr. Holiday**
- **Monday, Jan 26: Census Date;** deadline for all 15-Week session registrations and schedule changes
- **Mon-Sat, Mar 9-13: Spring Break**
- **Monday, Mar 30: Last Day to Withdraw**

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

Note: This is a tentative schedule, and subject to change as necessary – monitor the Canvas 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.

DAY	Begin DATE	Chapter Reading Due	HW Due DATE	CHAPTER	Learning Objectives	Notes/Projects
Mon	12-Jan	13-Jan	20-Jan	CH 1 - Introduction and Accounting Information Systems: An Overview	1.1 Distinguish between data and information, discuss the characteristics of useful information, and explain how to determine the value of information.	Enroll in QuickBooks Online (QBO)
Wed	14-Jan		20-Jan	CH 1 - Introduction and Accounting Information Systems: An Overview	1.2 Explain the decisions an organization makes, the information needed to make them, and the major business processes present in most companies. 1.3 Explain how an accounting information system (A I S) adds value to an organization, how it affects and is affected by corporate strategy, and its role in a value chain.	Complete Register with Labyrinth E-Lab
Mon	19-Jan			MLK Holiday - No Classes		
Wed	21-Jan	25-Jan	27-Jan	CH 2 - Overview of Transaction Processing & ERP Systems	1. Describe the data processing cycle used to process transactions, including how data are input, stored, and processed and how information is output.	QBO Chapter 1
Mon	26-Jan		27-Jan	CH 2 - Overview of Transaction Processing & ERP Systems	2. Discuss how organizations use enterprise resource planning (ERP) systems to process transactions and provide information.	Census Date - deadline for all 15-Week session registrations and schedule changes
Wed	28-Jan	1-Feb	3-Feb	CH 3 - System Documentation Techniques	1. Prepare and use business process diagrams to understand, evaluate, and document information systems.	QBO Chapter 2
Mon	2-Feb		3-Feb	CH 3 - System Documentation Techniques	2. Prepare and use flowcharts to understand, evaluate, and document information systems. 3. Prepare and use data flow diagrams to understand, evaluate, and document information systems.	
Wed	4-Feb			Exam - Chapters 1, 2, 3		

**Accounting**  
**It's Accrual World**

DAY	Begin DATE	Chapter Reading Due	HW Due DATE	CHAPTER	Learning Objectives	Notes/Projects
Mon	9-Feb	10-Feb	15-Feb	CH 10 - Control and Accounting Information Systems	1. Explain basic control concepts and explain why computer control and security are important. 2. Compare and contrast the COBIT, COSO, and ERM control frameworks. 3. Describe the major elements in the control environment of a company.	QBO Chapter 3
Wed	11-Feb		15-Feb	CH 10 - Control and Accounting Information Systems	4. Explain how to assess risk using the internal control (IC) model. 5. Describe control activities commonly used in companies. 6. Describe how to communicate information and monitor control processes in organizations.	
Mon	16-Feb	17-Feb	22-Feb	CH 13 - Processing Integrity and Availability Controls	1. Identify and explain the input, processing, and output controls designed to ensure processing integrity.	QBO Chapter 4
Wed	18-Feb		22-Feb	CH 13 - Processing Integrity and Availability Controls	2. Identify and explain controls designed to ensure systems availability by minimizing the risk of system downtime and enabling efficient recovery and resumption of operations.	
Mon	23-Feb	24-Feb	1-Mar	CH 14 - The Revenue Cycle: Sales to Cash Collections	1. Describe the basic business activities in the revenue cycle and discuss the general threats to that process and the controls that can be used to mitigate those threats. 2. Explain the sales order entry process, the key decisions that need to be made and threats to that process, and describe the controls that can be used to mitigate those threats.	QBO Chapter 5
Wed	25-Feb		1-Mar	CH 14 - The Revenue Cycle: Sales to Cash Collections	3. Explain the shipping process, key decisions that need to be made and threats to that process, and describe the controls that can be used to mitigate those threats. 4. Explain the billing process, key decisions that need to be made, and threats to that process, and describe the controls that can be used to mitigate those threats. 5. Explain the cash collections process, key decisions that need to be made and threats to that process, and describe the controls that can be used to mitigate those threats.	

***"Luck Is What Happens When Preparation Meets Opportunity"***

***-Seneca***

DAY	Begin DATE	Chapter Reading Due	HW Due DATE	CHAPTER	Learning Objectives	Notes/Projects
Mon	2-Mar	3-Mar	15-Mar	CH 15 - The Expenditure Cycle: Purchasing to Cash Disbursements	<p>1. Discuss the basic business activities and related information processing operations in the expenditure cycle, explain the general threats to those activities, and describe the controls that can mitigate those threats.</p> <p>2. Explain the process and key decisions involved in ordering goods and services, identify the threats to those activities, and describe the controls that can mitigate those threats.</p>	
Wed	4-Mar		15-Mar	CH 15 - The Expenditure Cycle: Purchasing to Cash Disbursements	<p>3. Explain the process and key decisions involved in receiving goods and services, identify the threats to those activities, and describe the controls that can mitigate those threats.</p> <p>4. Explain the process and key decisions involved in approving supplier invoices for goods and services, identify the threats to those activities, and describe the controls that can mitigate those threats.</p> <p>5. Explain the process and key decisions involved in making cash disbursements to suppliers, identify the threats to those activities, and describe the controls that can mitigate those threats.</p>	QBO Chapter 6
Mon	9-Mar			Spring Break		
Wed	11-Mar			Spring Break		
Mon	16-Mar	16-Mar	17-Mar	CH18 - General Ledger and Reporting System	<p>1. Describe the activities, information needs, and key decisions made in the general ledger and reporting system, explain the general threats in the cycle, and identify the controls that can be used to mitigate those threats.</p> <p>2. Explain the process for updating the general ledger, the threats to that process, and the controls that can be used to mitigate those threats.</p> <p>3. Explain the purpose and nature of posting adjusting entries, the threats to that process, and the controls that can be used to mitigate those threats.</p> <p>4. Explain the process of preparing financial statements, the threats to that process, the controls that can be used to mitigate those threats, and how IT developments such as XBRL can improve the efficiency and effectiveness of preparing financial statements.</p> <p>5. Describe the process for producing various managerial reports, the threats to that process, and how tools like responsibility accounting and the balanced scorecard can help mitigate those threats.</p>	
Wed	18-Mar			Exam - Chapters 10, 13, 14, 15, 18		



DAY	Begin DATE	Chapter Reading Due	HW Due DATE	CHAPTER	Learning Objectives	Notes/Projects
Mon	23-Mar	24-Mar	29-Mar	CH 4 - Relational Databases	1.Explain the importance and advantages of databases as well as the difference between database systems and file-based legacy systems. 2.Explain database systems, including logical and physical views, schemas, the data dictionary, and database management system (DBMS) languages.	Introduce MySQL Case
Wed	25-Mar		29-Mar	CH 4 - Relational Databases	3.Describe what a relational database is, how to create a set of well-structured relational database tables. Query a relational database using visual methods as well as using structured query language.	
Mon	30-Mar	31-Mar	5-Apr	CH 5 - Introduction to Data Analytics in Accounting	1.Explain what makes a good question, and evaluate questions relative to the SMART framework. 2.Describe the extract, transform, and load (ETL) process and key components of each step of the process.	Last Day to Withdraw MySQL due
Wed	1-Apr		5-Apr	CH 5 - Introduction to Data Analytics in Accounting	3.Explain the differences among descriptive, diagnostic, predictive, and prescriptive analytics. Understand the situations for which each type of analytic is appropriate. 4.List the principles that lead to high-quality data visualizations. 5.Describe how automation interacts with the analytics mindset and when data analytics is not the right tool for making a decision.	
Mon	6-Apr	7-Apr	14-Apr	CH6 - Transforming Data	1.Describe the principles of data structuring related to aggregating data, data joining, and data pivoting. 2.Describe data parsing, data concatenation, cryptic data values, misfielded data values, data formatting, and data consistency and how they relate to data standardization.	Introduce Excel Case
Wed	8-Apr		14-Apr	CH6 - Transforming Data	3.Describe how to diagnose and fix the data cleaning errors related to data duplication, data filtering, data contradiction errors, data threshold violations, violated attribute dependencies, and data entry errors.	
Mon	13-Apr		14-Apr	CH6 - Transforming Data	4.List and describe four different techniques to perform data validation.	Excel Case Due
Wed	15-Apr	19-Apr	21-Apr	Ch 7 - Data Analysis and Presentation	1.Define and give examples of descriptive, diagnostic, predictive, and prescriptive analytics. 2.Describe when each type of analytic is most appropriately used in a business context.	Introduce Power BI Case
Mon	20-Apr		21-Apr	Ch 7 - Data Analysis and Presentation	3.Select the correct type of visualization format for visualizing data. 4.Understand design principles of simplification, emphasis, and ethical data presentation to design high-quality data visualizations.	
Wed	22-Apr			Writing Analysis in Business English	Articulate descriptive and diagnostic analytics in written form for business.	Power BI Case Due
Mon	27-Apr			No Class - Finals Week		Writing Analysis in Business English Due
Wed	29-Apr			Final - Chapters 4, 5, 6, 7		2:45 - 4:45