RUTGERS–CAMDEN
School of Business

Accounting Info Management Databases & Data Processing
52:010:304:01:05060
Term: Fall 2024
Mode of delivery: *on-campus*

Professor: Dr. Yuxiang Zheng
E-mail: yuxiang.zheng@rutgers.edu
Class Location: BSB-336
Class Time : Tuesday/Thursday 2:00 PM – 3:20 PM
Office Hours: By appointment
Office : BSB-422

COURSE DESCRIPTION

Accounting Information Management: Databases and Data Processing (3 credits)

Understanding organizations (their activities, processes, and the information needs of organization stakeholders) is the focus of this course. This course strives to prepare accounting professionals for the information age. Students will learn the skills necessary to support the various accounting information customers, and develop competence in contributing to the inter-disciplinary team effort of justifying, designing, implementing, maintaining, and evaluating accounting information systems (the infrastructure that supports the production and delivery of accounting outputs).

Course Learning Objectives

Learning Goal	Course Application
General Management Knowledge	Students will learn and demonstrate how data and information technology is used in the management of basic business functions
Critical Thinking and Analytical Decision Making	Students will learn to analyze business process to design/implement information systems. Students will also learn to identify and extract relevant information from relational databases.
Technology Fluency/IT Literacy	Students must demonstrate spreadsheet knowledge. Students will learn the underlying logic of relational databases.
Ethical Reasoning	Students will learn the ethical implications regarding the proper use of business and personal information.

Course Materials:

TEXTBOOK:
For this course, you will be required to purchase **McGraw-Hill Education Connect® access**. {Accounting Information Systems; 4th Edition; Richardson, Chang, and Smith; McGraw-Hill. ISBN13: 9781264444847}. Textbook has been set up as *FirstDay Course Materials* and you do NOT need to purchase it on your own. *FirstDay* is the cheapest option and includes the textbook cost in your tuition. You may opt out from *FirstDay*, but you will be responsible for purchasing the textbook on your own. Please note that if you purchase a used textbook, you will still need to purchase Connect access to complete the required assignments.

COURSE ASSESSMENT

Assignment:

From week 1 to 9 (excluding week 5, which is midterm week), you will be asked to complete an assignment each week after the class (**8 assignments in total**). Each assignment is worth 50 points and is open book. Assignments have unlimited attempts and I take the highest score. Students are expected to finish the assignment independently, and I will **NOT** be able to answer specific questions from the assignment until after the due date. The solutions are provided after the due date. Please note that there are NO make-ups for graded assignments. Seven highest scores of the eight assignments will be counted into your final grade and the lowest grade will be dropped (the lowest will be set to 50 automatically).

Exams:

Two 1.5-hour-long midterm exams will be given during the term, and each will count for 150 points.
Exams are **open-book**. You are allowed to refer to your notes, textbook, and other printed materials. You are **NOT** allowed to use the internet and search for answers online. You are **NOT** allowed to discuss with other people during the exam.
The exams are take-home exams. You must log into Canvas/Connect to complete the exams. Make-up exams are not offered, and a missed examination will result in a score of zero for that exam, unless the student is excused by the instructor **in advance**.

- Exams will be offered during exam days between the hours of **08:00 AM** and **11:59 PM**. Students may choose to start the exam anytime during exam days but must plan to begin the exam in time to complete it by the 11:59 PM closing time.
- Exams will be completed through the Connect platform and will function identically to the out-of-class assignments in Connect.
- **Proctoring functions are enabled** for the exams. If you have concerns about the recording function, please let the instructor know **in advance** and an alternative in-person exam may be arranged.

Database Management Project:

One database project will be assigned during the term and will count for 150 points. Lectures during the database project week will be reserved for lab sessions. Students will work on the project during these designated lab times. Detailed guidelines on the project will be provided separately.

Data Visualization Project:

One data visualization project will be assigned during the term and will count for 150 points. A slide-supported presentation will be required. Detailed guidelines for the project will be provided separately.

COURSE GRADING

Grading Components

Activity	Number	Individual Points	Total Points
Post-Class Assignments	8	50	400
Mid-term Exams	2	150	300
Database Project	1	150	150
Data Visualization Project	1	150	150
Total Possible Points			1000

* **Bonus Points - Online course evaluation** (up to 20 bonus points): Students will earn 10 bonus points by

completing the Rutgers online course evaluation at semester's end and providing the instructor with evidence of their completion. Furthermore, if over 90% of students from your section complete the evaluation by the end of the semester, every student in that section will gain an extra 10 points.

* **Bonus Points** – **In-class Participation** (up to 30 bonus points): Up to 30 points can be earned through regular attendance and active participation by asking, answering questions, and engaging in discussions during lectures and course project presentations. While consistent attendance is encouraged, it's recognized that emergencies can arise. You are not required to come to every single class to earn the full 30 points. As long as you come to most classes and actively participate in those classes you will earn the full 30 points.

Grading Scale

Letter Grade	% Range	Point Range
A	90% to 100%	900 – 1000
B+	85% to 89.9%	850 – 899.9
B	80% to 84.9%	800 – 849.9
C+	75% to 79.9%	750 – 799.9
C	70% to 74.9%	700 – 749.9
D	60% to 69.9%	600 – 699.9
F	Below 60%	Below 600

Course Calendar

Week	Date	In Class	Post- Class Assignment
1	Tue. 09/03	Chapter 1 & 2: Intro to AIS & Data Analytics	
	Thu. 09/05		
	Sun. 09/08		Assignment #1
2	Tue. 09/10	Chapter 4: Accountants as Business Analysts	
	Thu. 09/12		
	Sun. 09/15		Assignment #2
3	Tue. 09/17	Chapter 5 & 6: Data Modelling & Relational Database	
	Thu. 09/19		
	Sun. 09/22		Assignment #3
4	Tue. 09/24	Chapter 7: Sales and Collection Business Process	
	Thu. 09/26		
	Sun. 09/29		Assignment #4
5	Tue. 10/01	Review for exam 1	
	Thu. 10/03	Exam 1 At home	

Week	Date	In Class	Post- Class Assignment
6	Tue. 10/08	Chapter 8: Purchases and Payments Process	
	Thu. 10/10		
	Sun. 10/13		Assignment #5
7	Tue. 10/15	Chapter 9: Conversion Business Process	
	Thu. 10/17		
	Sun. 10/20		Assignment #6
8	Tue. 10/22	Chapter 11: AIS and Internal Control	
	Thu. 10/24		
	Sun. 10/27		Assignment #7
9	Tue. 10/29	Chapter 14 & 15: XBRL & Emerging Technologies	
	Thu. 10/31		
	Sun. 11/03		Assignment #8
10	Tue. 11/05	Review for exam 2	
	Thu. 11/07	Exam 2 At home	
11	Tue. 11/12	Introduction to Database Management (Online asynchronous)	
	Thu. 11/14		
12	Tue. 11/19	Database Project Lab	
	Thu. 11/21	Introduction to Data Visualization (Online asynchronous)	
13	Tue. 11/26	NO CLASS: Dedicated Project Time	
	Thu. 11/28	NO CLASS: Thanksgiving recess	
14	Tue. 12/03	Data Visualization Project Presentation	
	Thu. 12/05		
15	Tue. 12/10	Data Visualization Project Presentation	

Note: Your instructor keeps the right to adjust the schedule and assignment due date according to class progress.

COMMUNICATION and USE OF CANVAS

EMAIL- USE YOUR RUTGERS EMAIL ADDRESS
All communications to students will be done using the Rutgers email address provided to you. Please forward your Rutgers email to your personal email if necessary. **Not checking your Rutgers email is not an excuse for missing any communications.**

CANVAS
Canvas is the learning management system used for this course. Posted will be the syllabus, resources, Power Point slides, announcements, guides, etc. To access this system, go to http://canvas.rutgers.edu log in, and click on the course in the dashboard. For technical support 833-648-4357 or help@camden.rutgers.edu.

CLASSROOM POLICIES

Make-up Work and Late Work Policy
If, for a **university-approved reason**, you cannot complete an assignment, project, or exam during the scheduled time, you must give me written notice via email (yuxiang.zheng@ rutgers.edu) at least **three days** in advance so that other arrangements can be made. If the situation does not allow for advance notification (e.g., emergency hospitalization), contact me as soon as possible after the missed work and provide written documentation. Any work submitted after the deadline without a university-approved reason will not be accepted. The professor reserves the right to request written documentation to support your absence (such as a doctor's note, an obituary, or military orders).

Diversity Statement
This class strives to be an inclusive community, learning from the many perspectives that come from having differing backgrounds and beliefs. As a community, we aim to be respectful to all. We reject all forms of prejudice and discrimination, including but not limited to those based on age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, and veteran status. Faculty and students are expected to commit to creating an environment that facilitates inquiry and self-expression, while also demonstrating diligence in understanding how others' viewpoints may be different from their own.
Our goal as a learning community is to create a safe environment that fosters open and honest dialogue. We are all expected to contribute to creating a respectful, welcoming, and inclusive environment. To this end, classroom discussions should always be conducted in a way that shows honor, respect, and dignity to all members of the class. Moreover, disagreements should be pursued without personal attack and aggression, and instead, should be handled with grace and care. This will allow for rigorous intellectual engagement and a deeper learning experience for all.

Disability Services/Accommodations
The University is committed to supporting the learning of all students and faculty will provide accommodations as indicated in a Letter of Accommodation issued by the Office of Disability Services (ODS). If you have already registered with ODS and have your letter of accommodations, please share this with me early in the course. If you have or think you have a disability (learning, sensory, physical, chronic health, mental health or attentional), please contact https://success.camden.rutgers.edu/disability-services.

Accommodations will be provided only for students with a letter of accommodation from ODS. Their services are free and confidential. Letters only provide information about the accommodation, not about the disability or diagnosis.

Academic Integrity
The Academic Integrity policy can be found at https://studentconduct.rutgers.edu/processes/university-code-student-conduct http://studentconduct.rutgers.edu/student-conduct-processes/academic-integrity/

Students are responsible for understanding the principles of academic integrity and abiding by them in all aspects of their work at the University. Students are also encouraged to help educate fellow students about academic integrity and to bring all alleged violations of academic integrity they encounter to the attention of the appropriate authorities.

Academic Integrity means that you (the student) must:
    •properly acknowledge and cite all use of the ideas, results, or words of others,
    •properly acknowledge all contributors to a given piece of work,
    •make sure that all work submitted as your own in a course activity is your own and not from someone else
    •obtain all data or results by ethical means and report them accurately
    • treat all other students fairly with no encouragement of academic dishonesty

Adherence to these principles is necessary in order to ensure that:
    •everyone is given proper credit for his or her ideas, words, results, and other scholarly accomplishments
    •all student work is fairly evaluated, and no student has an inappropriate advantage over others
    •the academic and ethical development of all students is fostered
    •the reputation of the University for integrity is maintained and enhanced.

Failure to uphold these principles of academic integrity threatens both the reputation of the University and the value of the degrees awarded to its students.

Artificial Intelligence Use
Acceptable Use of AI
The use of generative AI tools (e.g. ChatGPT, Dall-e, etc.) is permitted in this course for the following activities:
● Brainstorming and refining your ideas;
● Fine tuning your research questions;
● Finding information on your topic;
● Drafting an outline to organize your thoughts; and
● Checking grammar and style.

Unacceptable Use of AI
The use of generative AI tools is not permitted in this course for the following activities:
● Impersonating you in classroom contexts, such as by using the tool to compose discussion board prompts assigned to you or content that you put into a Zoom chat.
● Completing group work that your group has assigned to you, unless it is mutually agreed upon that you may utilize the tool.
● Writing a draft of a writing assignment.
● Writing entire sentences, paragraphs or papers to complete class assignments.

You are responsible for the information you submit based on an AI query (for instance, that it does not violate intellectual property laws, or contain misinformation or unethical content). Your use of AI tools must be properly documented and cited in order to stay within university policies on academic honesty. Any assignment that is found to have used generative AI tools in unauthorized ways based on guidelines in this syllabus, will be subject to report of a violation of Academic Integrity and thus the appropriate adjudication. When in doubt about permitted usage, please ask for clarification.

Code of Student Conduct
Rutgers University-Camden seeks a community that is free from violence, threats, and intimidation; is respectful of the rights, opportunities, and welfare of students, faculty, staff, and guests of the University; and does not threaten the physical or mental health or safety of members of the University community, including in classroom space.
As a student at the University, you are expected adhere to the Code of Student Conduct.
To review the code, go to the Office of Community Standards:
 https://deanofstudents.camden.rutgers.edu/student-conduct

Note that the conduct code specifically addresses disruptive classroom conduct, which means *"engaging in behavior that substantially or repeatedly interrupts either the instructor's ability to teach or student learning. The classroom extends to any setting where a student is engaged in work toward academic credit or satisfaction of program-based requirements or related activities."*