RUTGERS–CAMDEN | School of Business

Advanced Auditing & Information System
53:010:523:90
Fall 2024
September 3 – December 21

Professor: Dr. Dorothy A. Thompson, CPA
Cell Phone: (214) 868-2412
E-mail: dt736@camden.rutgers.edu

Office Hours: Tue/Thurs. 3-4 pm ET via Zoom or by appointment via email, text, or Zoom

COURSE SPECIFICS

Course Description:
This course examines advanced auditing topics, including studying audit data analytics in conjunction with generally accepted auditing standards (GAAS). Students will be challenged to derive inferences about complex financial data by utilizing computer-assisted audit techniques (CAATS) and applying audit data analytics (ADA's).

Audit data analytics leverage current technologies to help auditors utilize a more data-driven approach when planning or performing an audit. The AICPA defines ADA's as "The science and art of discovering and analyzing patterns, identifying anomalies, and extracting other useful information in data underlying or related to the subject matter of an audit through analysis, modeling, and visualization for the purpose of planning or performing the audit."

Analytical procedures, analytic process automation, process mining, AI, machine learning, drone technologies, and other audit innovations will be introduced in this course. By leveraging these technologies to employ novel audit techniques, students will explore creative solutions to modern auditing problems. After completing this course students will be familiar with auditing tools and techniques and have a forward-looking vision of the financial audit process and profession.

Course Learning Objectives:
Upon successful completion of this course, students should be able to:

LO 1: Apply generally accepted auditing standards (GAAS) to complex data.
LO 2: Study audit data analytics (ADA) principles.
LO 3: Utilize computer software to apply auditing techniques, including ADA's.
LO 4: Develop agility with financial data and audit software tools.
LO 5: Enhance data visualization and analytic skills.
LO 6: Gain functional competency with various audit technologies.

School of Business-Camden Program Learning Goals:

- Communication effectiveness and impact
- Technology fluency
- Global Awareness
- Ethical consideration

Course Format

Students will be assigned readings from various reports and published research. Audit cases and Tableau projects will be completed in teams and discussion boards and all other assignments will be completed and submitted individually. Lectures will be recorded and available for viewing on Canvas.

Course Materials

You will be required to install and operate various software on your personal device. Microsoft Office is required. Download MS Office at: https://getoffice.rutgers.edu
We will also use a student version of Tableau. www.tableau.com/trial

> Down toward the bottom, right before "Technical Specifications", there is a sentence.
> "Students and Teachers get 1 year of Tableau Desktop, Prep, and eLearning for free."
> Click on "Students". You will need your school email address to verify that you are a student and gain access. Select, "Learning as part of a course" You will receive an email to activate your account. You will have access to Tableau Cloud for 1 year. Keep the login and password safe. We will use this software starting November 18.

How to succeed in this course
- Read all text material assigned for each class
- Follow instructions in all assignments
- Start assignments early and get feedback from the instructor
- Consult/meet with the professor immediately when you need help.
- If an online tool is used (Canvas) ensure that you can access and use it appropriately.

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.

COMMUNICATION and USE OF CANVAS
Rutgers 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

> Posted will be the syllabus, videos, assignments, resources (articles and examples), 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

Professor Communication:

I try to respond quickly. If you do not hear from me within a few hours, please text me. 214-868-2412

GENERAL/ADMINISTRATIVE
Pronouns
This course affirms people of all gender expressions and gender identities. Feel free to correct me on your preferred gender pronoun. Questions or concerns, please do not hesitate to contact me.

Chosen Name (Preferred Name)
If you have a chosen name or preferred name other than what is listed on the roster, kindly let me know. If you would like to have your name changed within the rosters officially, go to: https://deanofstudents.camden.rutgers.edu/chosen-name-application

Key Fall 2024 Dates:
Fall 2024 classes begin	Tuesday, September 3rd
Last day to drop classes w/o "W"	Thursday, September 12th
Last day to add classes	Thursday, September 12th
Last day to withdraw from an individual class with a "W"	Monday, November 11th
Change in designation of class day	Tuesday, November 26 (observe Thursday schedule)
Change in designation of class day	Wednesday, November 27 (observe Friday schedule)
Thanksgiving recess	Thursday, Nov. 28th – Sunday, Dec. 1st
Regular classes end	Wednesday, December 11th
Reading day(s)	Thursday, December 12th – Friday, December 13th
Final exam period	Monday, December 16th – Saturday, December 21st

POLICY STATEMENTS

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. Every member of the University community therefore bears a responsibility for ensuring that the highest standards of academic integrity are upheld. Violations are taken seriously and will be handled according to University policy.

Artificial Intelligence Use
Use Prohibited
The use of generative AI tools (such as ChatGPT, DALL-E, etc.) are not permitted in this class; therefore, any use of AI tools for work in this class may be considered a violation of Rutgers University's Academic Honesty policy and Student Conduct Code, since the work is not your own. 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 to 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."*

Expectations of Classroom Civility (online)*(source: the Assoc of College and University Educators)*
The following protocols on the codes of behavior reflect professional business norms on manners, courtesy, and respect. (***In general, you should treat others as you would like others to treat yourself. Be mindful that what is acceptable in a text or chatroom with friends may not be appropriate in a classroom or in an online conversation with an instructor***.)

- Classroom attendance is a necessary part of this course
- You are expected to do your own work. Cheating, plagiarism, and any other form of academic dishonesty will not be tolerated.
- Meaningful and constructive dialogue is encouraged in this class and requires a willingness to listen, tolerance for different points of view, and mutual respect from all participants. All course members will be expected to show respect for individual differences and viewpoints at all times.

CLASSROOM POLICIES
Exam Make-up Policy/Assignment Late Policy
From the point of being assigned to being due, you will have 1 week to complete exams and assignments, therefore, *make-up assignments or late exams are not allowed*.

Assessments
CLASS PARTICIPATION: It is expected that you will (1) attend class regularly as evidenced by your completing the weekly online assignments, (2) listen attentively to the videos, and (3) contribute often to online class discussions. Your comments should be thoughtful and should reflect your careful attention to the assigned course material.

Participation and Late Work: All assignments must be handed in on time; late work will receive no credit.

Incompletes and Problems: If you find that you are having trouble completing coursework or need further

explanation of class topics, please schedule an appointment with me immediately. If you need this class for graduation, you should be sure that your performance is up to standard throughout the course. Waiting until the last week is too late to ask for help. I'm available to meet throughout the entire semester if you need help. "Incompletes" will only be given through prior consultation, under extreme circumstances.

EXAMS – can be found in Canvas

TEAM PROJECTS
- Tableau – Students will work together, utilizing the techniques and methods used on the practice Tableau assignments to complete the project assignment. One team member will submit the completed project for the team.
- Students will work as an audit team to 1) assess the independence of the auditor, 2) assess the materiality of the transactions and 3) assess the risk of material misstatement. The 3 audit cases will use a recording and documents posted in Canvas. The audit team lead will submit the findings of the audit team by the due date.

ETHICS ASSIGNMENT – can be found in Canvas

DISCUSSION BOARDS
There will be five discussion board activities in this course.
All postings including responses are to be substantive and further the discussion of the topic of interest.
Postings on the discussion board must reflect student's reading and comprehension of the assigned readings and/or related discussion activity. Discussion postings must reflect the ability to synthesize concepts presented through writing at a college level. **The minimum length of a post is 100 words** not including references listed. An original post is due on or before Friday with a response post due on or before Sunday. (Grading rubrics are available in Canvas.) In addition to these specific assigned discussions, there will also be a general questions class forum for discussing issues related to the class, but these will not be graded.

GRADING
The assignment of final grades and the course requirements will be weighted as follows:

Online Video question completion.............10%
Discussion boards………………………..5%
Ethics assignment……………………… 5%
Midterm exam...25%
Final exam..25%
Team Projects
    Tableau Project……..………………15%
    Audit cases………..,,,,,,,,,,,,,,,,,……,,,,,,,,,,…15%
                  Total 100%

Grade Ranges
Letter Grade Description
A Highest grade (90% and above)
B+ Work of distinction (87% to 89.99%)
B Work of distinction (80% to 86.99%)

C+ Average work (77% to 79.99%)
C Average work (70% to 76.99%)
F Failure without credit (Below 70%)

COURSE SCHEDULE AND ASSIGNMENTS

Class 1   September 3
    Topics: Course organization and introduction. Overview of the syllabus.

Class 2   September 9
    Topic: Introduction to Auditing. (LO1)

Class 3   September 16
    Topic: Team Project – Assess Independence (LO1)

Class 4   September 23
    Topics: Audit Internal Control, Audit Evidence, and Documentation. (LO1)

Class 5   September 30
    Topic: Team Project – Assess Materiality (LO1)
            Team Project – Assess the Risk of Material Misstatement (LO1)

Class 6   October 7
    Topic: Introduction to Data Analytics (LO2)

Class 7   October 14
    Topic: Introduction to Excel (LO3, LO4)

Class 8   October 21
    Topic: Excel: Power Pivot (LO3, LO4)

Class 9   October 28
    Topic: Excel: Power BI (LO3, LO4)

Class 10   **November 4**
             MIDTERM EXAM

Class 11   November 11
    Topic: Ethics and Professional Judgment/Skepticism (LO1)

Class 12   November 18
    Topic: Introduction to Tableau (LO3, LO4)

November 25-December 1
Thanksgiving Break

Class 13   December 2
    Topic: Tableau part 2 (LO3, LO4)

Class 14   December 9
    Topic: Team Project - Tableau Project (LO5)

Class 15   **December 16**
             FINAL EXAM