RUTGERS

School of Business | Camden

Accounting Analytics
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Spring 2023 (01/17/23 to 05/10/23)

Instructor: Dr. Rob Shah, PhD, MBA, CPA, CMA

Phone number: (602) 359-6710 (MT)

Email: use the **"INBOX"** messaging system in Canvas to email me. Only as a backup, you can email at: rs2117@camden.rutgers.edu

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COURSE OBJECTIVES

1.   Solve accounting and business problems using data modeling tools.

2.   Create visualizations of data to show relationships and outliers.

3.   Explain and apply extraction, transformation, and loading (ETL) techniques to prepare the data for analysis.

4.   Use IMPACT model to solve management accounting problems.

REQUIRED:

YOU MUST HAVE MCGRAW-HILL CONNECT FOR THIS CLASS.

Richardson, V. (2022). Data Analytics for Accounting (3rd ed.). McGraw-Hill Higher Education (US).

See the Announcements in the Canvas course shell for instructions on registering for CONNECT.

After you register in Connect, you will also have access to the E-book within Connect.

Other readings may be assigned by the professor from sources such as the Wall Street Journal, Fortune, Business Week, business section of the NY Times and other online resources. It is recommended that students read from these resources on a regular basis. Specific articles will be provided by the instructor.

TEACHING METHODOLOGY

The material presented through readings and articles will be the foundation of the course, thus it is important that you do the homework questions and other practice material as assigned. We will also go over specific examples in readings/articles to illustrate the material and its application. It is important that you **read all** the material assigned. Your participation in completing the assignments and taking part in the discussions will help you better understand the concepts

Changes to the syllabus are at the discretion of the instructor.

HOW TO SUCCEED IN THIS COURSE
The material presented in class provides the essential backbone of the course. You are expected to:
   • Register for McGraw Hill Connect

   • Read all text material assigned • Read all course announcements.
   • Follow instructions in all assignments
   • Start assignments early and get feedback from the instructor
   • For Canvas, ensure that you can access and use it appropriately. Email me if needed with Canvas using the INBOX messaging feature.

COMMUNICATION:

Canvas
        Posted will be the syllabus, resources (articles and examples), Power point slides, announcements, guides, etc. To access this system, go to http://canvas.rutgers.edu log in, and click on the course on the dashboard.

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.**

CLASSROOM POLICIES – LATE WORK

Discussions - No late discussion posts are accepted after the course week ends on Sunday.

Connect Assignments - Late work is accepted up to **3 days late** subject to a 20% late penalty.

Quizzes and exams - No late work accepted.   Exceptions will only be extended with documentation from a third party (doctor, etc). This will have to cover the entire period allowed for the quiz or exam (for instance, if I give you a week to take an exam, you cannot give me a note for one day of that week it has to be for the entire week).

Please plan ahead to hit all deadlines and work ahead when possible.
NO LATE WORK IS ACCEPTED AFTER THE COURSE ENDS.

STANDARDS FOR EVALUATION:

Discussions –

1. Initial Post is due by **Sunday** of the assigned week.

    1. Must fully answer the discussion question(s) in at-least 200-250 words.

    2. Turning the initial post in by Wednesday allows your fellow students time to review and respond to your post.

2. At least **two (2) responses** are due by **Sunday** of the following week. You can reply to your fellow students or your professor.

    1. Your responses should be at least two well-structured paragraphs with at least 150 words total.

    2. A few examples of discussion responses that will not earn you full credit. This is an incomplete list of course, but you get the point, please put some time and effort into your discussion posts and responses. You will get out of this what you are willing to put in.

        1. *Hi Fellow Student! You make some really good points!*

        2. *I agree.*

        3. *Good discussion, you thoroughly researched your answer.*

    4. *I had not thought about it like that before, good job.*

Assignments (McGraw Hill Connect)– you will have regular Homework assignments to complete in CONNECT.

Quizzes – Quizzes will be given during the semester (through CONNECT). The number of quizzes is at the faculty's discretion.

Assignments – 2 assignments will be due at the end of Module 4 and Module 6, which will require you to submit a 3-5 page report in Canvas.

Grading Policy:
The Canvas grade book will not give you your grade at a point in time since it is based on the weight of future assignments and exams. Contact me if you have a question on your grade progress at any point in time during the course.

Assignments	30%
Threads/Discussions	30%
Quizzes (McGraw Hill)	20%
Assignments (McGraw Hill)	20%

Grading Scale:

A	90-100 pts
B+	85-89.9 pts
B	80-84.9 pts
C+	75-79.9 pts
C	70-74.9 pts
D	60-69.9 pts
F	under 60 pts

Changes to the syllabus are at the discretion of the instructor.

MODULE / DATE	READINGS	ASSIGNMENT
Module 1 **01/17/23-01/29/23**	Chapter 1- Data Analytics for Accounting and Identifying the Questions	Introduction discussion Discussion 1 Chapter 1 Quiz (MG Connect) Assignment 1 (MG Connect)
Module 2 **01/30/23-02/12/23**	Chapter 2- Mastering Data	Discussion 2 Chapter 2 Quiz (MG Connect) Assignment 2 (MG Connect)
Module 3 **02/13/23-02/26/23**	Chapter 3- Performing the Test Plan and Analyzing the Results	Discussion 3 Chapter 3 Quiz (MG Connect) Assignment 3 (MG Connect)
Module 4 **02/27/23-03/12/23**	Chapter 4- Communicating Results and Visualizations	Discussion 4 Chapter 4 Quiz (MG Connect) Assignment 4 (MG Connect) Assignment: Data Visualization and Statistics
Module 5 **03/13/23-03/26/23**	Chapter 5- The Modern Accounting Environment	Discussion 5 Chapter 5 Quiz (MG Connect) Assignment 5 (MG Connect)

Module 6 03/27/23-04/09/23	Chapter 6- Audit Data Analytics	Discussion 6 Chapter 6 Quiz (MG Connect) Assignment 6 (MG Connect) Assignment: Prescriptive Analytics in Auditing
Module 7 04/10/23-04/23/23	Chapter 7- Managerial Analytics	Discussion 7 Chapter 7 Quiz (MG Connect) Assignment 7 (MG Connect)
Module 8 04/24/23-05/10/23	Chapter 8- Financial Statement Analytics	Discussion 8 Chapter 8 Quiz (MG Connect) Assignment 8 (MG Connect)

GENERAL:

ACADEMIC INTEGRITY
Rutgers University takes academic dishonesty very seriously. By enrolling in this course, you assume responsibility for familiarizing yourself with the Academic Integrity Policy and the possible penalties (including suspension and expulsion) for violating the policy. As per the policy, all suspected violations will be reported to the Office of Community Standards.

Academic dishonesty includes (but is not limited to):
– cheating
– plagiarism
– aiding others in committing a violation or allowing others to use your work
– failure to cite sources correctly
– fabrication
– using another person's ideas or words without attribution

– re-using a previous assignment
– unauthorized collaboration
– sabotaging another student's work

If in doubt, please consult the instructor. Please review the Academic Integrity Policy at https://deanofstudents.camden.rutgers.edu/sites/deanofstudents/files/Academic%20Integrity%20Policy.pdf.

Student Resources:
Refer to this site for resources to assist you in preventing academic integrity issues. Such as coaching from the Learning Resource Center, Tips to help prevent AI violations, and other reference material for writing.
https://deanofstudents.camden.rutgers.edu/academic-resources

STUDENT CODE OF CONDUCT
http://studentconduct.rutgers.edu/university-code-of-student-conduct

Violations of the Student Code of Conduct are considered serious infractions of student behavior and students who violate the code are subject to penalties relative to the level of the matter. In general, students may not disturb normal classroom procedures by distracting or disruptive behavior, this includes online as well as in-person.

The Code of Student Conduct is more than a collection of University regulations to be abided by – it seeks to promote the University's values and educate. The Code of Student Conduct encourages students to be their authentic selves as they find their place on campus, while also encouraging students to embrace inclusion through discovery, dialogue, and development as they celebrate diverse backgrounds.

The spirit of the Code of Student Conduct promotes student engagement both on and off campus, global citizenship, and leadership. It encourages students to uphold the highest tenets of trust, honesty, and integrity, understanding at all times that our actions significantly impact our personal journeys, our communities, and our larger society.

Rutgers–Camden, Rutgers–Newark, and Rutgers–New Brunswick students originate from all corners of the world and travel between many campuses and cities. As our students strive to achieve their goals, they are expected to conduct themselves in accordance with University policies and procedures, but more importantly, the values and spirit that these policies and procedures are founded upon.

Violations of the Student Code of Conduct should be reported to the Dean of Students office deanofstudents@camden.rutgers.edu or 856-225-6050.

If the violation is immediate and a potential threat is a concern, call the RutgersCamden police at 856-225-6111

DISABILITY SERVICES

Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: https://ods.rutgers.edu/students/documentationguidelines.

If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form (https://webapps.rutgers.edu/student-ods/forms/registration).

Erin G. Leuthold, MS Ed
(856) 225-2717
Rutgers-Camden Disability Services:
311 North Fifth Street, Camden, NJ 08102-1405
Web page: https://ods.rutgers.edu/contact-ods/rutgers-university-camden   E-mail: disability-services@camen.rutgers.edu