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| **Class Time** | Online, Asynchronous |
| **Professor** | |
| **Email** | |
| **Office Hours** | |
| **Textbook** | No Textbook is required although you will need to purchase a Becker Data Analytics Package ($99) |
| **Prerequisites** | Admission to the graduate program |

## Course Description

Big data is everywhere, and accounting is no exception. This course is designed to give students an intermediate understanding of how accountants and auditors can transform big (and small) data into useful information and how to best communicate the results to other parties. Students will use a variety of software programs to assess, analyze, and present financial data in a meaningful and impactful way.

## School of Business Mission

Students acquire strong quantitative, analytical, and communication skills while preparing for professional success as socially responsible individuals in today's complex business environment. We strive for teaching excellence and recognize that high-quality faculty scholarship and professional activities advance the impact we have on practice, pedagogy, and our knowledge of business.

## Master of Science in Accounting Program Competency Goals

Competency Goal 1. Learners will develop the analytical skills necessary for entry and advancement in the public accounting profession.

Competency Goal 2. Learners will develop the research skills necessary for entry and advancement in the public accounting profession.

Competency Goal 3. Learners will be able to communicate effectively both orally and in writing.

Competency Goal 4. Learners will possess the knowledge and skills necessary to succeed in the public accounting profession.

Competency Goal 5: Our learners will have a multidimensional understanding of social responsibility.

Students will develop data analysis and software skills necessary to succeed in the accounting profession. This includes Microsoft Excel, Alteryx, UiPath, MindBridge Analytics, and Tableau.

The Competency Goals (CG) for this course are that all students will be able to:

●    **Analyze and communicate key information through charts and tables (CG 1,3 & 4)**
●    **Develop the knowledge needed to effectively analyze data (CG 1)**
●    **Acquire software skills needed to succeed in an accounting position (CG 4)**
●    **Research and prepare a presentation based on a computer program used in the field of accounting (CG 3 &4)**

## Software

In this course, we will be using several software programs including UiPath, Tableau, MindBridge Analytics, Excel, and Alteryx. All of these programs are available on the trading room computers. These programs are available to be downloaded on students' personal computers free of charge. Information on how to access each of these programs is available on Brightspace.   Please note that Alteryx does not play nicely with Macs.

### Weekly Assignments

In most weeks, an assignment will be given that pertains to the program we are working on.  Please pay close attention to the deliverables for each assignment to make sure you print or include all necessary documents.  It is your responsibility to make sure all assignments are completed and turned in on time.  I do not accept late assignments. Please stay in contact with me if any situations arise that make it difficult for you to complete assignments on time.

### Exams

There will be one required exam for this course. It is a data visualization exam. You will also be required to complete the requirements to earn certifications in Alteryx, Excel Data Analytics, MindBridge, and UiPath.

### Homework

Each week you will be required to complete homework assignments. Some are stand-alone modules (Tableau), and others are preparing you for a required certification exam (Excel). See the schedule for assignment due dates.

### Overall Course Grading

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| Excel Data Analytics Certification | 15% |
| Alteryx Certification | 15% |
| MindBridge Certification | 10% |
| UiPath Certification | 10% |
| Data Viz Exam | 15% |
| Weekly Assignments | 25% |
| Tableau Homework | 10% |
| Total | 100% |

A regular grading scale will be applied (93 and above A, 90- 92 A-, 88- 90 B+ etc.…) to your grade. I round to the nearest whole grade.  For example, 89.5 rounds to an A- and 89.4 is a B+. I do not assign or award extra credit.  Please do not ask.

## Course Values

The course is conducted based on the following values.  All participants are expected to adhere to these principles.

- **Respect:** All class members will be treated with respect by me and other class members.
- **Equity:** All students will be treated equitably during class and in the determination of their grades. Wherever appropriate, I will grade student submissions anonymously.
- **Transparency:** All students have a right to know how their performance is evaluated. Students will have access to their class averages any time after the third week of the semester.
- **Access:** All students will have access to me during office hours or at a mutually convenient time to the student and me. In the event I have to cancel office hours, I will announce it via email.
- **Relevant Intellectual Rigor:** The material will be challenging, but relevant. The course is designed to maximize learning and satisfaction. With your cooperation, you should learn a great deal and enjoy doing it. If I do my job well, this course will be challenging enjoyable, and thought-provoking. In short, the course is designed to be simultaneously loose and tight; a cooperative and relaxed atmosphere in which demanding and critical analysis is undertaken.

## Students with Disabilities

SUNY Geneseo is dedicated to providing an equitable and inclusive educational experience for all students. The Office of Accessibility will coordinate reasonable accommodations for persons with physical, emotional, or cognitive disabilities to ensure equal access to academic programs, activities, and services at Geneseo. Students with letters of accommodation should submit a letter to each faculty member and discuss their needs at the beginning of each semester. Please contact the Office of Accessibility Services for questions related to access and accommodations.

Office of Accessibility Services
Erwin Hall 22
(585) 245-5112
**access@geneseo.edu**
**www.geneseo.edu/accessibility-office**

## School of Business Support

 If you have any needs or need assistance in areas such as financial, need access to food or personal hygiene items or have been faced with a bullying or discriminating practice or person, or any other needs please see Liz Felski.  She is the school of business student advocate and is happy to help in any situation of need.  You may stop and see her in South 303 or email her at felski@geneseo.edu. Additionally, the college provides many useful resources for students. Please visit the link below for more information about the services

offered. https://wiki.geneseo.edu/display/PROVOST/Syllabus+Resources+Related+to+Student+Success

| MGMT 522 | | |
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| **Tentative Course Schedule** | | |
| | | |
| **Date** | **Topic** | **Assignment** |
| Week 1 | Data Viz | Tableau Section 1 |
| Week 2 | Data Viz | Tableau Section 2 |
| Week 3 | Data Viz | Tableau Section 3 |
| Week 4 | Data Viz Exam | Tableau Section 4 |
| Week 5 | Alteryx Preview | |
| Week 6 | Alteryx | |
| Week 7 | Alteryx | |
| Week 8 | Alteryx | Alteryx Certification |
| Week 9 | Excel | |
| Week 10 | Excel | |
| Week 11 | Excel | Becker Excel Certification |
| Week 12 | Audit Analytics | |
| Week 13 | Audit Analytics | MindBridge Certification |
| Week 14 | RPA/ UiPath | |
| Week 15 | RPA/ UiPath | UiPath Certification |