

GRADSCH 5625: Data Governance

Instructor Contact Information

Name: Mark Marshalek
Office Location:
Email: MarkMarshalek@mac.com
Office Hours: **TBD**

Course Meeting Information

Method: **Online**
Course Hours: ****Course is assumed to contain 14, 55 minute to one-hour lectures and essay presentations.**

Course Prerequisites

Good standing in the MTDA program. Course enrollment is restricted to graduate students enrolled in the program.

Description of Course:

Demonstrate the need for data governance. Emphasize the need to generate trust in data assets in typical projects and enterprises. Identify elements of good data governance. Discuss privacy, security, and ethics in the context of data governance. Enumerate the advantages and value of robust and principled governance using case studies.

Course Learning Goals:

Upon successful completion of the course, students will be able to demonstrate:

1. Knowledge of and ability to comply with data governance obligations and challenges.
2. Knowledge of methods to ensure good and robust data governance for data analytics applications.
3. Understanding of emerging legal and ethical issues with data analytics, including privacy and security best practices.
4. Knowledge of principles and assessment of metrics for evaluating data governance

Course Materials and Texts:

Textbooks:

Readings - There is no required textbook for the course. A list of freely available readings will be posted to the course website.

Grading Information:

Grade Breakdown:

Homework = 30%
Case Studies = 40%
Final Essay = 30%

Grading Scale:

>90% A/A-
80-90% B-/B/B+
70-80% C-/C/C+
60-70% D/D+
<60% E

Course Delivery:

Asynchronous (pre-recorded at student's leisure): each week several lecture videos, totaling approximately 55 minutes to 1 hour of lecture, will be posted on the course website. You are responsible for watching the videos and studying the material that is assigned each week. In addition to the lecture videos, weekly assignments will be posted on Carmen.

Synchronous (live): there will also be occasional group discussions or presentations over Zoom, which will be scheduled in advance with students. Office hours and meetings or discussions between individual students and myself can be scheduled in advance and are optional as needed.

Overall, the majority of the course content can be completed on a student's own time at their leisure, within the constraints of deadlines for each lecture video or topic.

Attendance and Participation:

Because this is a distance-education course, your attendance is based on your online activity and participation. Please check your email and log into Carmen at least once per weekday, and participate in discussions on Carmen at least three times per week.

Discussion and Communication:

When posting content visible to myself and/or to other students, please remember to be respectful, thoughtful, and professional.

- Tone and civility: all discussions must contribute to a sense of safety and civility to ensure all students and myself feel comfortable and welcome as part of the course.
- Please be mindful of diversity of backgrounds and thought and strive to respect and uphold diversity.
- Writing style: please use good grammar, spelling, and punctuation. No hand written material will be accepted.
- Cite your sources: in academic discussions, please cite your sources to back up what you say. This may be as simple as links to resources you have found online, or references to page numbers in the textbook.

Assignments and Grades:

Homework will account for 30% of your course grade. They will be assigned and submitted via Carmen. Homework assignments will usually require reading and completion of 3 quizzes during the class.

Case studies will account for 30% of your course grade. They will be completed in smaller groups and will entail analysis, research, and written components. They will be assigned and submitted via Carmen.

In lieu of final exam, a final essay comprising of 40% of the course will be required. The essay will cover all topics discussed over the course.

Health and Safety:

The Ohio State University Wexner Medical Center's Coronavirus Outbreak site (<https://wexnermedical.osu.edu/features/coronavirus>) includes the latest information about COVID-19 as well as guidance for students, faculty and staff. Guidelines and requirements for campus safety from the University's COVID-19 Transition Task Force were published on July 1 on the Safe and Healthy website (<https://safeandhealthy.osu.edu>). They include the following:

- A daily health check to report body temperature and health status will be required for all faculty, staff and students each day they intend to be on Ohio State's campuses in the autumn.
- Face masks must be worn in indoor settings, including classrooms.
- Members of the campus community will be required to sign a pledge "to affirm their understanding of what is needed to help fight the spread of the virus and their intention to do their part."
- Accountability measures will be in place for those who refuse to abide by required health and safety guidelines.

You are encouraged to complete daily health checks and to self-isolate if running a fever or are in other ways symptomatic.

Potential Disruptions to Education:

If you are to complete content or complete assignments because of positive diagnosis or symptoms, please reach out to me as soon as possible to let me know so we can develop a contingency plan. Typically, this will include postponing due dates or developing alternative assignments, and will be done on a case by case basis.

If I am unable to create and post new content due to positive diagnosis or symptoms, I will alert the class as quickly as possible to develop a contingency plan.

Lecture Breakdown:

Lecture	Topic
Week 1	What is Data Governance and why is it important to govern data?
Week 2	What does it mean to properly govern data and what are the key principles?
Week 3	What is the value of data governance and how do share the value? Quiz #1
Week 4	How do you identify and select critical data, define that data, understand the quality and properly map data?
Week 5	What are the technologies, processes, and methods for implementing data governance?
Week 6	What privacy, ethics, and security considerations are part of data governance Quiz #2
Week 7	How do you measure and value effective data governance

Week 8	What are examples of data governance issues and how are these issues resolved
Week 9	How does legislation and consumer rights (GDPR, California Privacy, NACHA) impact data governance Quiz #3
Week 10	Case Study I - Data governance settings: describe the key elements required when assessing data governance practices
Week 11	Case Study II – Data governance problems and challenges: describe the critical barriers for data governance execution
Week 12	Case Study III – Data governance success stories: identify organizations that have successfully implemented data governance programs and the factors that made them successful
Week 13	Course Recap and Prepare for Essay Preparation
Week 14	Data Governance Essay Presentation

Academic Misconduct:

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

Disability Services:

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Title IX and Sexual Misconduct:

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at titleix@osu.edu

Diversity and Inclusion:

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

Mental Health:

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling [614-292-5766](tel:614-292-5766). CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on call counselor when CCS is closed at [614-292-5766](tel:614-292-5766) and 24 hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1-800-273-TALK or at suicidepreventionlifeline.org.