

Course Syllabus
MAT 112–Basic Statistics
Spring 2023
Dr. John Peter
Utica University

Course Description: MAT 112 is an introduction to basic statistics, which is the branch of mathematics concerned with studying the collection, organization, and interpretation of data. Familiarity with statistical reasoning is necessary regardless of one’s field of study, and we will use this fact to motivate the material that we cover. In particular, we will see how statistics plays a role in all of our lives, whether we want it to or not!

Course Learning Goals:

- The student should become familiar with data analysis, data production, and statistical inference.
- *Data Analysis:* The student should be able to explore, organize, and describe data using graphs and numerical summaries.
- *Data Production:* The student should become familiar with techniques for selecting samples from which to collect data and designing experiments that yield the most useful information from such samples.
- *Statistical Inference:* The student should understand the basic language and application of probability theory, along with several techniques for statistical inference.

Class Meetings: Monday, Wednesday & Friday from 10:20am to 11:20am in 210 Hubbard Hall

Text: *Statistics, Unlocking the Power of Data*, Third Edition, by Lock⁵.

Contacting me: EMAIL: jwpeter@utica.edu (The best way to contact me)
OFFICE PHONE: 315-792-3730

Office/Hours: Room 257 White Hall
Monday and Friday from 12:30PM to 2:00PM
By Appointment (made either in person or by email)

Coursework/Weights:

Assessment	% of Final Grade
Homework (Assigned Regularly/Never Collected)	0%
Attendance	5%
Weekly Quizzes (Drop Lowest)	20%
Midterm Exam 1	25%
Midterm Exam 2	25%
Final Exam	25%

Final Exam Date/Time: Friday, 5/5/2023 at 9:00am

NO MAKE-UP WORK WILL BE GIVEN.

Grading: The grading scale will be *no worse* than:

90 – 100% = A/A- 70 – 79% = C+/C/C- Below 60% = F
80 – 89% = B+/B/B- 60 – 69% = D+/D

Secrets to success in this course:

- Do lots of problems . . . homework and more!
- Come to class
- Read the book
- ASK QUESTIONS!

Calculators: You may find a calculator useful for a number of topics that we cover. Calculators (no phones/similar devices that can access outside communication of any sort) will be allowed on quizzes and exams.

Attendance: It is mandatory that I keep track of your attendance. An attendance sheet will be available for you to sign at the beginning of each class, and your attendance will count for 5% of your final grade. In the event that you miss class (or are mentally absent from class!) it is your responsibility to keep up with all announcements, syllabus adjustments, and/or policy changes made during scheduled class time and/or sent to you via your Utica University email. Please make sure that your Utica University email is functioning properly, and make every effort to contact me using that email address (as opposed to gmail, yahoo, etc.) to avoid confusion. If class

must be canceled for some reason, you will be notified as early as possible via your Utica University email.

Classroom Etiquette: Always keep in mind that you are in a university classroom. You and all of the people around you have paid to be here. By simply showing up for class, you are demonstrating that you take very seriously the opportunity to pursue the best learning experience possible. You are expected to treat all people in the classroom with respect, and to come to class prepared to learn. **Disruptive behavior, including (but not limited to) talking, whispering, texting, eating loudly, etc. will negatively impact EVERYONE'S experience and will not be tolerated.**

Academic Honesty: Academic honesty is necessary for the free exchange of ideas. Utica University expects academic honesty from all students and UU faculty are authorized to assign a wide range of academic penalties for incidents of academic dishonesty. Academic dishonesty includes both cheating and plagiarism. Plagiarism is the intentional or unintentional use of other people's ideas, words, and/or factual information as your own and without crediting the source. It doesn't matter if the words come from a book, journal article, web site, or personal letter; if somebody else originally wrote them you may not use them without attributing them to that individual by appropriately citing the source. Plagiarism also refers to self-plagiarism, or re-purposing material that you've already completed for another course or assignment. Cheating refers to giving and/or receiving unauthorized assistance in taking examinations or creating assigned and/or graded class work. Students who assist other students in, or contribute to, acts of academic dishonesty are subject to the appropriate penalties.

Incidents of academic dishonesty are reported to the Vice President for Academic Affairs who will refer any repeat offense, or any particularly egregious first offense, to the Academic Standards Committee which may recommend a more severe penalty than that imposed by the faculty member.

Disability Disclosure: Any student who has need of special accommodations in this class due to a documented disability should speak with me as soon as possible, preferably within the first two weeks of class. You should also contact the Director of the Office of Learning Services (315-792-3032) in order to determine eligibility for services and to receive an accommodation letter. We will work with you to help you in your efforts to master the course content in an effective and appropriate way.

Writing Proficiency: Students are expected to possess and use adequate writing skills. All written assignments should be well-written and free of grammar, punctuation, and spelling errors. Help is available in the Writing Center located in the

library.

Math and Science Center: Peer tutors are available in the Math and Science Center located on the first floor of the library. These services are typically available beginning in the second week of a Fall/Spring semester. For more information visit www.utica.edu/tutoring

Tentative Course Schedule

3/20: Section 3.1	4/12: Section 5.2
3/22: Section 3.2	4/14: Section 6.1-D / Quiz 9
3/24: Section 4.1 / Quiz 7	4/17: Section 6.1-CI
3/27: Section 4.2	4/19: Section 6.1-HT
3/29: Section 4.3	4/21: Section 6.2-D / Quiz 10
3/31: Exam 2	4/24: Section 6.2-CI
4/3: Section 4.4	4/26: Section 6.2-HT
4/5: Section 4.5	4/28: Section 10.1 / Quiz 11
4/7: Section Finish Chapter 4 / Quiz 8	5/1: Review / Last Day of Class
4/10: Section 5.1	

The author of this syllabus reserves the right to change it at any time during the semester.