

COURSE SYLLABUS

MATH 125-25 SPRING 2026

COURSE NUMBER: MATH 125
TITLE: Quantitative Reasoning
CREDIT HOURS: 3
LECTURE: 11 – 12:15pm T TR
PLACE: RB 117

Instructor Information

INSTRUCTOR: Janet E. Yi

Office: RB425

Phone: 285 -1866

Email: jyi@bsu.edu The best way to contact me is [through the Canvas Inbox](#). If you use a different method of communication, please include the course number (M125) in the subject line.

Office Hours: 1 – 1:50pm T TR or by Appointment

Course Information

Course Description and Rationale: MATH 125 satisfies the university core curriculum requirement for mathematics. This course covers aspects of **personal finance, probability, and statistics**. We will use a variety of fundamental mathematical skills to analyze situations not typically covered in a traditional sequence of mathematics courses. We will develop problem-solving skills enabling students to be capable and productive leaders and citizens.

Course Objectives & Learning Outcomes: Students are expected to master the manipulation of mathematical symbols and gain a new perspective on mathematical thinking, with the hope that they will recognize situations where these skills may be applied. These tools are used to provide a new way of looking at today's world at a collegiate level. Among other things, students will learn the following:

- How to extract useful mathematical information from data presented in numerical or graphical form.
- How to present data in graphs and tables to communicate information, both by hand and using technology.
- How to use technology to gain knowledge and solve real-world problems.
- How to interpret and draw conclusions from data, both for a single variable and for two variables.
- How to communicate effectively in writing, using proper English and correct mathematical terminology, in the context of finances and statistics.

Class Structure: Class time will be primarily devoted to group work and guided problem solving. Complete academic integrity is expected. Consistent and punctual attendance is essential and expected. Students should notify the instructor once they anticipate being absent for any reason (e.g., funeral) or as soon as possible after the absence begins (e.g., unexpected injury or illness). Documentation may be requested. More detail on BSU Attendance Policies can be found [here](#).

Course Textbook and Materials

Textbook: *Viewing Life Mathematically: A Pathway to Quantitative Literacy*, 2nd ed, Denley, 2023, (Hawkes).

Required Materials: A scientific calculator is required. The **TI-30XS MultiView** is recommended. Cell phones and other personal devices may not be used during class. Students will regularly need to bring laptops.

This course is part of our course material delivery program, **Ball State First Day**. The bookstore will provide each student with a convenient package containing all required physical books and any digital materials will be integrated into Canvas for this course.

You should have received an email from the bookstore confirming materials provided for each of your courses and asking you to select how you would like to receive any printed components (in-store pick up or home delivery). If you haven't done so already, please confirm your fulfillment preference so the bookstore can prepare your materials. Students who do not want to participate in the First Day program may choose to opt out.

Course Assignments and Assessments

Hawkes Homework and Canvas Quizzes:

- **Homework:** There is online homework in Hawkes learning. Each lesson involves three phases: **Learn, Practice, and Certify**. Use Learn and Practice to learn the concepts and work out practice problems with access to learning aids. When you feel confident in the material, move on to Certify to complete your homework and earn your grade. **Note that you need to reach the indicated mastery level for each lesson to receive credit. A 10% penalty will be applied for each day** that an assignment is submitted late for the first four days. After that will be worth 60% of their normal value.
- **Quiz:** There are "Learn quiz" on each lesson in Canvas. Quizzes **will not be accepted late**, but the 2 lowest canvas quizzes will be dropped. (Each lesson in Hawkes includes a quiz designed to support your preparation before beginning the lesson. It is recommended that you read the lesson content in Hawkes first, then complete the quiz.)

Attendance and In-class Assignments:

- **In-class assignments and Activities:** Students are expected to attend all classes. In-class and group assignments **cannot be made up**. However, the lowest in-class assignments will be dropped. The Data Analysis project cannot be dropped.

Exam: There will be three exams:

- Exam 1: Finance Unit
 - Exam 2: Probability Unit
 - Exam 3 (Final Exam): Statistics Unit
- You may use a scientific calculator for all exams.

Course Weights and Grading Scale:

Assignment/Exam	Percent
Exams	20% x 3 = 60%
Homework (Hawkes Learning)	20%
Quiz	10%
Project & Inclass work	10%
	100%

Letter Grade	Grades are not rounded
A	93.0% & up
A-	90.0% & up but less than 93.0%
B+	87.0% & up but less than 90.0%
B	83.0% & up but less than 87.0%
B-	80.0% & up but less than 83.0%
C+	77.0% & up but less than 80.0%
C	73.0% & up but less than 77.0%
C-	70.0% & up but less than 73.0%
D+	67.0% & up but less than 70.0%
D	63.0% & up but less than 67.0%
D-	60.0% & up but less than 63.0%
F	below 60.0%

Course Policies

Late Assignment Policy: All assignments are expected to be submitted by a specific time and date. Assignments submitted late may be subject to a penalty of 10% or more reduction in points or may receive no points at all. Please check the grading policies in Course Assignments for more details. [Technical issues are not valid excuses](#) for late work unless the problem stems from Canvas servers. I strongly recommend working in advance, always have a backup plan in case you experience computer or Internet issues.

- All assignments are due by **8am on the due dates indicated**.
- Assignments cannot be accepted once the grade has been posted.

Attendance policy: Students are expected to attend ALL classes. Attendance will be taken at every lecture time during the semester. Students should notify the instructor once they anticipate being absent for any reason (e.g., funeral) or as soon as possible the absence begins (e.g., unexpected injury or illness). Documentation may be requested. More detail on BSU Attendance Policies can be found [here](#).

Classroom Disruption Policy: Please turn off the phone during class time. You cannot access the internet or texting phone during the class, if you are using it, I will let you leave the class for that day. It counts as an absence. Responding to classroom disruption: www.bsu.edu/studentcode/disruption

University Policies and Statements

Accommodation: If you need course adaptations or accommodations because of a disability, please contact the instructor of record as soon as possible. Ball State's [Disability Services](#) office coordinates services for students with disabilities; documentation of a disability needs to be on file in that office before any accommodations can be provided. Disability Services can be contacted at 765-285-5293 or dsd@bsu.edu.

Freedom of Expression: In this course, we are committed to fostering a learning environment that values intellectual diversity, encourages free expression, and promotes open inquiry. As members of the Ball State Community, we treat each person in the Ball State community with civility, courtesy, compassion, and dignity and respect and learn from differences in people, ideas, and opinions. Please review Ball State University's [Statement on Freedom of Expression](#), the resources on Ball State's [Freedom of Expression webpage](#), and [Ball State's Beneficence Pledge](#).

Academic Integrity: Students are expected to adhere to university guidelines as presented in the [Code of Student Rights and Responsibilities](#) as outlined in the student handbook.

Plagiarism Policy: Plagiarism is not acceptable, unless otherwise indicated for all assignments, you must work independently by yourself. Sharing of files is not permitted for any reason. Penalties for cheating or dishonest include but are not limited to a grade of zero on an assignment or exam, a lower letter grade or a failing grade in the class.

Potential Violations. *Examples of academic integrity violations include but are not limited to:*

- Working with another person on any assignment other than authorized group projects.
- Sharing or allowing others to access your files, whether done with permission or not.
- Use or possession of a file created by someone else.
- Reusing work from another semester, course, or section.
- Fraudulent submission of work.
- Using unauthorized materials during Exams.
- Impersonating someone else or having them impersonate you.
- Making fraudulent or dishonest statements regarding your work.
- Soliciting others to complete work for you.
- Posting course files and resources on study or content sharing websites.

No Use of Generative AI Permitted: All work conducted and/or submitted in this course should reflect your own ideas and demonstrate your current knowledge, abilities, and skills. Therefore, generative AI should not be used to complete any portion of the assignment(s). Doing so constitutes a violation of Ball State University's [Student Academic Ethics Policy](#).

BSU Diversity Statement: Ball State University aspires to be a university that attracts and retains a diverse faculty, staff, and student body. We are committed to ensuring that all members of the community are welcome, through valuing the various experiences and worldviews represented at Ball State and among those we serve. We promote a culture of respect and civil discourse as expressed in our [Beneficence Pledge](#) and through university resources found at <http://cms.bsu.edu/campuslife/multiculturalcenter>.

Ball State Academic Ethics: Honesty, trust, and personal responsibility are fundamental attributes of the university community. Academic dishonesty and other forms of academic misconduct threaten the foundation of an institution dedicated to the pursuit of knowledge and will not be tolerated. To maintain its credibility and reputation, and to equitably assign evaluations of scholastic and creative performance, Ball State University is committed to maintaining a climate that upholds and values the highest standards of academic integrity. Visit the complete [Student Academic Ethics Policy](#).

Student Privacy

FERPA and Privacy

As a student, your educational records are considered confidential. Under FERPA (Family Educational Rights and Privacy Act), your records are confidential and protected. Under most circumstances, your records will not be released without your written and signed consent. However, some directory information may be released to third parties without your prior consent unless a written request to restrict this is on file. You can learn more about student rights to privacy by reading [Ball State's FERPA and Privacy and Protection](#).

Academic Support Services

The Learning Center: The Learning Center offers free Tutoring and Academic Coaching for many courses at Ball State. Students can make appointments for online (Zoom) or in-person (NQ 350) appointments. To make an appointment, visit myballstate.bsu.edu and click on “Navigate” in the Academic Tools section, or just go directly to bsu.navigate.eab.com.

Testing accommodations for students with disabilities are available for students who have received the appropriate documentation from Disability Services. Tests may be administered in the [Learning Center](#).

The Counseling Center: The Ball State University Counseling Center offers free and confidential services to all students. The Counseling Center is located in Lucina Hall, Room 320. To schedule an appointment, you can contact us at 765-285-1736. Ball State also offers a 24/7 Crisis Line, which can be reached at 765-285-HOPE (4673). The Crisis Line is a mental health resource for those who are struggling with any mental health concerns, including thoughts of self-harm and/or suicide. At the Ball State Counseling Center, we see students for a variety of reasons, some of which include homesickness, relationship concerns, anxiety, and depression. At your first appointment, you will work with a therapist to create a plan that will connect you with resources that best fit your needs. We assist students with getting connected to therapy at our Center as well as connecting students to self-help resources, other on-campus resources, and community-based resources. All Ball State students also have access to several on-demand, self-help resources through a variety of different platforms. All of these resources, including a direct link to our website, [Counseling Center website](#).

Technical Assistance: If you have technical questions, you can contact Ball State's Help Desk. The helpdesk can be contacted at: 765-285-1517 or email at helpdesk@bsu.edu.

Hawkes learning support: <https://www.hawkeslearning.com/Support/SupportRequest.aspx>.

Important Dates

- Martin Luther King, Jr. Day: no class on Monday, Jan 19
- Spring Break: Monday, March 2 – Friday, March 6
- The course withdrawal period ends **Thursday, March 19**. Before this date, students can elect to receive a “W” for the course by completing and submitting the proper form. The instructor’s permission is not required.
For details, see <https://www.bsu.edu/about/administrativeoffices/registrar/registration-activities/withdraw-from-classes> as well as Degree Requirements and Time Limits in the current Undergraduate Catalog OR Withdrawal Procedures in the current graduate catalog.
- Final exam is on **Tuesday, Apr 28 at 9:45AM**

Subject to Change Statement

This syllabus and schedule are subject to change in the event of extenuating circumstances.