

COURSE SYLLABUS MATH 125-802 online Spring 2026

COURSE NUMBER: MATH 125
TITLE: Quantitative Reasoning
CREDIT HOURS: 3

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 (M125-802) in the subject line.

Virtual Office Hours via Zoom: by Appointment

Course Information

Course Description: A diverse course including statistics and other topics such as mathematical modeling, problem solving, finance, geometrical concepts, growth patterns, and applications to the physical sciences, social sciences, and economics. Core Transfer Library: Mathematics (IMA 1607).

University Core Curriculum: MATHS 125 satisfies the University Core Curriculum requirement for mathematics. The course includes topics of discussion and learning that provide students with the basic academic and intellectual tools of mathematics, especially the ability to organize their mathematical thinking to communicate with others, so that they have a better understanding of their civilization. MATHS 125 also seeks to help students develop the ability to use mathematical thinking and reasoning to recognize and solve the common problems of living.

Course Rationale: MATH 125 focuses on major ideas in mathematics that provide a useful context for attaining UCC-21 student learning outcomes. Mathematics and Its Applications uses a variety of fundamental mathematical skills to analyze situations not typically covered in a traditional sequence of mathematics courses. The course provides problem-solving skills enabling students to contribute to and to lead in their responsibilities of citizenship in a free society. Modeling skills taught in this course introduce students to the process of simplifying a problem to fit into a mathematical model, using the model to solve the problem and then communicating the solution to others. The keystone topic is statistics where students participate in data collection, learn to use descriptive statistics effectively, understand probability theory and apply statistical inference.

Course Time Commitment: This course requires a substantial time commitment. You should plan to dedicate **6–10 hours per week**, ideally spreading the work across **2–3 hours per day**. Avoid trying to complete all tasks in one sitting, as consistent engagement is key to success. As this is an online course, it is your responsibility to stay on schedule and avoid falling behind. **Self-motivation, discipline, and a regular study routine** are essential for meeting deadlines and staying on track.

Course Materials

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

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.

Required Equipment: A scientific calculator is required. The [TI-30XS Multiview](#) calculator is recommended. Webcam and microphone need for on line proctoring exam service.

Required Skills: Experience with Canvas and Microsoft software would be helpful. (BSU provides resources to help you. A lack of Canvas knowledge is not an acceptable excuse for late or incomplete work)

Technology Requirements: A microphone and webcam to complete the exams via Lockdown Browser. Respondus Lockdown Browser is compatible with Mac and Windows computers.

Course Assignments and Assessments

Course Assignments:

- **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 will 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:** Each lesson in Canvas includes a "Learn Quiz." **Late quiz submissions will not be accepted**; however, the two lowest quiz scores will be dropped. Each lesson in Hawkes includes a quiz designed to support your preparation before beginning the practice examples. It is recommended that you read the lesson content in Hawkes first, then complete the quiz.
- **Class activity and Project:** There are class-activity assignments and projects available on Canvas. All class-activity assignments must be **submitted in handwritten format**; typed responses will not be accepted. **Class activities cannot be made up**; however, the lowest class-activity assignment grade will be dropped—*except for the Data Analysis assignment*, which cannot be dropped.
- **Exam:** There are three exams in Canvas. You can use a scientific calculator and scratch paper for your exams. The exam must be taken using the *Respondus Lockdown Browser* on the primary device plus a video conferencing application (such as Zoom) on a second device (such as a smartphone). In order to take it, **you must download and install LockDown Browser on your computer in advance**. You will need a webcam and microphone in order to be proctored for the exam. [Watch this short video](#)

Course Assessments:

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

Attendance policy: Attendance in Ball State University online courses is determined by your active participation in course activities. You are expected to engage in weekly assignments, discussions, and assessments. To stay on track, you should log into the course at least **3 to 5 times per week** and check your official **BSU email account daily** for updates and announcements. You are responsible for completing all assignments, quizzes, exams, and other activities by their deadlines. This course requires a significant time commitment—**plan to spend a minimum of 6–10 hours per week**, ideally by allocating **2–3 hours per day**. Please **do not plan to complete everything in one day**, as consistent engagement is key to success.

As this is an online course, it is your responsibility to stay organized, motivated, and on schedule. Developing a regular study routine will help you meet deadlines and avoid falling behind. Developing a routine is crucial. [here](#)

Late Assignment Policy: All assignments must be submitted by the specified due date and time. Late submissions may incur a penalty of **10% or more**, or may receive no credit at all. Please note that **technical issues**—unless caused by Canvas itself—are **not considered** valid excuses for late work. As this is an online course, it is each student's responsibility to stay on schedule and avoid falling behind. Self-motivation and consistent effort are key to successfully completing the course. This course requires a significant time commitment, so please plan accordingly and do not wait until the last minute. I strongly recommend working ahead when possible.

Be sure to have a backup plan in case of computer or internet problems, as such issues will not be accepted as valid reasons for missed or late work.

- All due dates and times are based on **Eastern Time (EST/EDT)**.
- Assignments cannot be accepted once grades have been posted.

University Policies

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.

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](#).

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](#).

Proctoring: This course will require the use of the Respondus LockDown Browser on the primary device plus a video conferencing application (such as Zoom) on a second device (such as a smartphone) for online exams.

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.

If you are experiencing **mental health concerns**, telehealth services are available – here is a link to the [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: **Tuesday, Apr 29 – Wednesday, Apr 30**
- Tentative lesson schedule is available in Canvas

Subject to Change Statement

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