

Statistics MATH 235
Section 01
Syllabus Spring 2026

Stefanie O'Leary-Johnson, Professor

Email: soleary@lc.edu

Office: CM 217 [CM stands for Commons. My office is above the cafe in the Math and Science Building.]

Phone: 618-468-4844

Website: www.stlmath.com

Office hours (CM 217): Monday and Wednesday 8:30 – 9:00 am & 11:00 am – 12:00 pm; Tuesday and Thursday 8:30 – 9:30 am & 11:00 am – 2:00 pm

Tutors Available: To schedule an in-person or virtual private tutoring session, please contact the Math Resource Center (room CM 233) at crobinso@lc.edu or (618) 468-5100. Walk-in tutoring during regular hours is also welcome.

We will cover the material with a mix of lectures, worksheets, online homework, and questions. Please feel free to ask questions and pose comments in class. My lessons contain lots of examples similar to the homework problems. You will save yourself much stress by studying the notes before you start your homework. Do the homework promptly and thoroughly. Practice will help you immensely.

You will do your homework assignments through MyStatLab (MSL). Homework will prepare you for (paper-and-pencil) exams and build on each other so it is crucial that you keep up with the assignments. You can work your homework assignments at any computer with internet access.

You will want a three-ring binder notebook to keep your notes. I have prepared Class Notes which we will complete during class. You will have a MyStatLab (MSL) assignment to complete for each section. You should keep a dedicated spiral notebook or separate section in your binder for your organized, labeled (online) homework. Do *not* just use scraps of paper as you need it. Keep all work in one place to make it easier to study and ask questions.

Website (www.stlmath.com):

My Website has many resources for you. You will use it when you miss class or when you need clarification of an announcement or policy. If I refer to “the Website”, I am referring to www.stlmath.com. You can access everything you need from here including the following.

- Class Notes (including videos for most and completed PDF versions for others) which work you through definitions and examples
- Important Dates including exams and drop/withdraw dates
- Syllabus, handouts, worksheets, and solutions to some of the worksheets
- Archived worksheets that may help you review or extend certain topics

-- Link to the publisher-provided MyStatLab Website

Textbook, Calculator, and MyStatLab:

· *Statistics: Informed Decisions Using Data*, Michael Sullivan, 2021, sixth edition. We will cover most of chapters 1 – 14. The book is available through MyStatLab (MSL, described later) in electronic form. It is possible to have access to MyStatLab and use the electronic book instead of purchasing a paper copy.

· MyStatLab (MSL) is an offshoot of MyMathLab (MML) which you may have used in another math class. MyStatLab (MSL) is virtually identical to MyMathLab (MML) except that it has some statistical capabilities. I often refer to either product as "MyMathLab".

· Your college fees paid for access to MyStatLab (MSL). The MyStatLab Website (<http://www.mymathlab.com>) provides practice problems and tutorials. There will be graded homework assignments from MSL. If you used MSL or MML for a previous class, you can use your previous login (username and password) information. If you do, be sure you have given them your current email address. Otherwise, create a new account.

· **To start up MSL, we are using Willo, a system from the bookstore's parent company Follett.** Start on the Blackboard (Bb) page for your class and follow the link (on the home page for our class) that is labeled Pearson Course Materials. This link should take you to MSL where you need to enter your previous credentials for MyMathLab or enroll as a new user. After you complete the log-in process, the Pearson Course Materials link in Bb will take you directly to the MSL site. In the future, you can log-in to their site directly at www.mymathlab.com. If Blackboard is down for some reason, remember that the MSL site is still available at www.mymathlab.com. This new process does *not* require you have an access code or course ID as we have done in the past. **If something goes wrong at any time and you are unable to do homework, contact customer support and tell me immediately so it can be remedied quickly.**

· **You need a graphing calculator.** The calculators range in price but are very similar in function. The college officially suggests you get the TI-83 or TI-84 (TI stands for Texas Instruments). Most TI-83 instructions on my worksheets will also work for the TI-84. The TI-82, TI-85, and TI-86 are older models but will work fine. If you are not sure about your calculator, show it to me and we will see if it will work. Regardless of calculator type, I am willing to help you, but there are no guarantees. I am willing to help you with other non-TI brands as well. Please bring your calculator to class every day. You need to get your calculator as soon as possible. You may also want to bring the manual if it's a non-TI brand. **It is *not* acceptable to attempt this class without a graphing calculator.**

· If you do *not* have an actual calculator, it is okay to use an app on your phone or graphing calculator emulator program on your computer during lectures. You can borrow calculators in the Math Resource Center (CM 233, described later). If you do not

have your own calculator, you must borrow a *non-phone* calculator for taking exams in Haskell (described later).

· We will cover the calculator a lot in class. There are many instances in the Notes where your calculator is needed. I will help but it is your responsibility to learn to use your calculator. Learn it well and it can be of great use to you in this class. Please ask questions when you have issues. The Math Resource Center (CM 233, described later) is also a great place to go for help.

Evaluation/Point Breakdown:

Attendance	10% of total
MyStatLab (MSL) Homework Assignments	15% of total
Four Chapter Exam Grades Plus Final Exam	75% of total

· The grade scale is A – 90%, B – 80%, C – 70%, D – 60%. Your grade information will be available through MyStatLab (MSL). Your overall grade shown in MSL will be accurate if you keep up with the assignments. **I do *not* use the Blackboard Gradebook.**

· We will complete ungraded paper worksheets. You should work hard on all worksheets and assignments and ask questions when you have them. You will see worksheets mentioned in the Class Notes. Some will be handed out in class; others are available on www.stlmath.com under Assorted Handouts and Tutorials on your class' page. They are carefully designed to help you tackle hard concepts. This class is difficult; do not underestimate it and take advantage of all opportunities to learn.

· We will have four paper-and-pencil chapter exams. You are required to take all exams. **You are allowed to use one sheet of notes (notebook-sized, front and back) and your non-phone calculator on the exams.**

· We will have a **comprehensive final exam** that covers several of the main topics. It will be given the last class period of the semester.

· The breakdown of book material on each exam and tentative dates are below. This may change slightly.

Exam	Sections covered	Tentative Date
1	Chapters 1-3, 4.1-4.4	Wednesday, February 18
2	5.1–5.5, 6.1, 6.2, 7.1-7.3	Wednesday, March 25
3	8.1, 8.2, 9.1, 9.2, 10.1–10.3	Wednesday, April 15
4	11.1-11.3, 12.1, 12.2, 13.1, 13.2, 14.3	Monday, May 11
Final	Chapters 1-14	Wednesday, May 13

· The homework due dates are usually set for the first class session after the week we should be working on each section. One major exception to this is when we have an exam coming up. All homework for sections on an upcoming exam will be due the day **before** the exam (midnight). You can work the homework as much as you want up through the final due date (technically, they are due at midnight of the due date). Most MSL homework assignments are available after the “due date”. However, a 50% deduction will apply for all problems done after the due date. You only want to take advantage of this occasionally to maintain a good grade but that leeway is there in case you fall behind. **There is a strict deadline for late MSL work; it is to all be done by the midnight before exam day.** There are no opening dates for homework, so you can try any homework as early as you want.

· Homework will take some time to complete, so make sure you give yourself plenty of time. Plan on doing a little homework nearly every day. **Keep in mind you do *not* need to do an assignment in one shot. You can start it one day and finish it another. In fact, you can go back and redo problems you missed to get full credit.** The MyStatLab (MSL) Website offers tons of help on the problems including the **Ask My Instructor** button, which lets you email me a short message along with the exact problem you are working on. Use this to ask specific questions about a problem. My office hours are also available to you.

· MyStatLab (MSL) has provided videos that you can watch through the Video & Resource Library (menu item). You may find they fill in holes left by our lectures. However, they are *not* mandatory and do *not* count toward your grade. The Class Notes focus on the material in the homework. You definitely want to complete the Class Notes (with me usually but by yourself if you miss class) provided on www.stlmath.com before you attempt the MSL homework. Be sure to ask me questions. I have posted pre-recorded videos from my Math 145 class (which covers some of the same material) and completed versions of the Math 235 Notes (for those sections for which I do not have videos). You should always attempt to complete the Notes on your own before accessing the completed versions.

· Keep in mind that the “Overall grade” in the MSL Gradebook does *not* include assignments that you have *not* started. The grade will look considerably higher than what you are actually earning if you have zeros on assignments. Do *not* let a high overall score (or worse, a low C) in MSL fool you into not working hard to the end.

Attendance and makeup policies:

· Attendance is highly suggested. You are expected to come to class prepared. Poor attendance is a sure way to flunk. I will take attendance and it counts toward your overall grade.

· Alongside the Class Notes on www.stlmath.com, you will find some videos or completed versions where I go through the Notes as we will in class. When you miss class, be sure to watch the video, if available, while you complete the Notes on your own.

· When you miss class or come late, it is your responsibility to find out what you missed by emailing or asking me in person ahead of the next class. Of course, make sure you understand the material covered that day. Get the Class Notes (www.stlmath.com) and work the problems that we did in class. Bring the Notes and other handouts with you to the next class. It is your responsibility to print out the assignment or Notes from the Website. When this is possible, the item will be underlined. Click on it to open it and then print it. Printers are available in select computer labs around campus. Use the extensive videos and other resources available on MyStatLab (MSL) and www.stlmath.com to catch up.

· You should always contact me when you miss class; do not rely on friends to fill you in. You are not required to give me an excuse for the absence.

· If you miss an exam, I will automatically send a make-up exam to the Haskell Testing Center and email you by the end of the day. You will have **one school week** to take the exam. If you need an extension, talk to me. If you have not taken it or talked to me within this period, you will receive a 0. If you miss the last exam, you *must* email me if you intend to take it. Otherwise, I will assume that you do *not* intend to finish the class and will *not* automatically send it to Haskell. In that case, you will only have through the end date of the semester to make it up. **You are *not* allowed to make up more than one exam out of class.**

· You will make up exams in the **Haskell Testing Center** which is located in **Haskell Hall (HK) B-25**. (It is located in the basement of Haskell Hall.) The **Haskell Testing Center’s** information is found at www.lc.edu/testing; read this information carefully. **You may need to make an appointment each time although there are limited walk-in hours. Their phone number is 468-5232; their email address is testingcenter@lc.edu.** You must show a **photo ID** to take your exam. Make sure you take your *non-phone calculator*. You will *not* be allowed to use your own phone or computer. If you would

prefer to make up your exam in Edwardsville, Jerseyville, or Carlinville, you will see the information for those alternative locations on their Website. You do *not* need my permission to use one of these alternative testing centers.

Miscellaneous details:

- I want you to feel comfortable with me and the class. If there is anything I can do to help you, please tell me. If I use the wrong pronoun (her versus him) in addressing you or mispronounce your name, please forgive me and tell me what is correct. If you are ever made to feel uncomfortable in the class or at school in general, please bring the issue to my attention.
- The handouts on the Website are in PDF format; you will need the Adobe Acrobat Reader to read these. The Reader is available online at www.adobe.com -- just follow the links to download the latest Acrobat Reader. It is free of charge. There are optional worksheets listed at the bottom of the “Assorted Handouts and Tutorials” portion of the Website. Use them for extra practice.
- If you need to contact me, phone, email me, or talk to me before or after class. I may send emails to either your LC email account or the email account you give to MSL. If you do *not* use your LC email account frequently, please get in the habit or set it up to forward your mail to an account you do use. Email is inherently insecure; meaning if someone wanted to, they could read our emails. Be aware of this when you and I correspond. Please do *not* use Blackboard Messages.
- The **Math Resource Center (MRC, located in CM 233)** is available for in-person and online tutoring Monday through Friday 8:00 am – 4:30 pm. See their contact information in the head of this syllabus. Their Website is linked from my Website where you can find other information. They are a great resource and a wonderful place to chill or do homework during times between classes.
- The last day for a full refund is January 30. The last day to withdraw with a grade of W is April 24 (to avoid a D or F). The last day of the semester is Friday, May 15. The last day our class meets is Wednesday, May 13.

MyStatLab (Quick Tutorial):

Below you will find a sample homework assignment in MSL. You can select any problem in the set to work on. This is particularly useful when you are returning to a set to correct mistakes. Notice a check mark or an X indicates if you got it right or wrong (not shown on this example). Once you click in the answer space, an appropriate palette that allows you to enter fractions, radicals, exponents, etc. exactly as you would write them will appear. You are often expected to use the palette to enter your answers in the correct form. On the lower left-hand side, you will notice help topics that includes videos, completed examples, and other resources at your disposal. There is help available (and an option to print) under the Settings icon in the upper right if you have trouble with the interface as opposed to the math.

Rounding errors are possible if you do too much rounding early in a problem so do *not* round your answer until the very end. Be careful to follow the instructions on how to enter your answers. Specifically, they will denote how to round and what form (fraction versus decimal, for example) your answer should be in. The instructions may vary from problem to problem. After you complete a problem, you must click “Check Answer”. Make sure you Save your work (top) before exiting.

Use the Ask My Instructor option (possibly under Get More Help on bottom) to report problems with grading or to ask specific questions about a problem. It is easy to get frustrated with an online tool like MSL. Be sure to reach out with questions when they first occur.

The screenshot shows the MyStatLab interface for a homework assignment. The top navigation bar includes a hamburger menu, the assignment title 'Section 13.2 Homework', the current question 'Question 5, 13.2.17', the score 'HW Score: 0%, 0 of 15 points', and a 'Save' button. A callout box points to the 'Save' button with the text 'Save before you quit.' The left sidebar contains a 'Question list' with radio buttons for questions 1 through 7; 'Question 5' is selected. The main content area displays the problem: 'Factor the trinomial completely. $22 + 23m + m^2$ '. Below the problem is a text input field with a callout box pointing to it: 'Palette for inputting certain answers will appear here when needed.' Below the input field is a palette with various mathematical symbols like fractions, radicals, and exponents. At the bottom, there are buttons for 'Clear all', 'Skill builder', and 'Check answer'. A callout box points to the 'Check answer' button with the text: 'Click Check Answer or press ENTER key after inputting answer above. If you get it wrong three times, it changes the question slightly (Similar Question).' The bottom of the interface has links for 'Help me solve this', 'View an example', and 'Get more help'. A callout box points to the 'Get more help' link with the text: 'Various tools to help with the math are shown here. This may look different depending on what is available. Ask My Instructor may be under Get More Help.'

Various settings including accessibility, printing, and help with the MML interface under the Settings icon

Problem selection area

Save before you quit.

Palette for inputting certain answers will appear here when needed.

Click Check Answer or press ENTER key after inputting answer above. If you get it wrong three times, it changes the question slightly (Similar Question).

Various tools to help with the math are shown here. This may look different depending on what is available. Ask My Instructor may be under Get More Help.

Accommodations

If you need an accommodation based on the impact of a disability, inform your instructor as soon as possible. You can request accommodations at www.lc.edu/access or contact the Center of Access and Accommodations at (618) 468-4128 or access@lc.edu. Center for Access and Accommodations is located in HK B07.

Counseling

Counseling is by appointment and on an emergency walk-in basis. Visits are confidential, free of charge, and include counseling for crisis intervention, brief therapy, academic issues, test anxiety, community resources, and referrals. Contacts: Brooke Frank (HY 211): bfrank@lc.edu, (618) 468-4130. Terri Austin (HY 212): taaustin@lc.edu, (618) 468-4125.

Veteran Services

We support our veteran and service member students and their families by providing a Veteran Services Department and a Veterans' Resource Center. This department supplements the assistance provided by Enrollment, Advising and Financial Aid. You can confidentially discuss academic or personal issues. Referrals will be made as needed to campus and/or community assistance. Contact Sarah Albright (RE 1200) at 618-468-5312 or salbright@lc.edu.

Title IX Sexual Assault

Lewis and Clark Community College is committed to maintaining a safe and healthy educational and employment environment that is free from sex discrimination, which includes discrimination and harassment based on sex, sex stereotypes, sex characteristics, pregnancy and related conditions, sexual orientation, and gender-related identity and expression. The College also prohibits all forms of sex-based misconduct, including but not limited to sexual violence, domestic violence, dating violence, and stalking. Faculty are legally required to report incidents of sex discrimination or misconduct brought to their attention through any sources and thus cannot guarantee confidentiality. To file a complaint, contact Sean Hill, Title IX Coordinator, at shill@lc.edu or 618-468-6000; or Mya Lawrence, Deputy Title IX Coordinator, at mylawrence@lc.edu or 618-468-6030. Students who wish to confidentially report an incident of sex discrimination may contact Terri Austin, Counselor, at taaustin@lc.edu or 618-468-4125; or Brooke Frank, Case Coordinator, at bfrank@lc.edu or 618-468-4130. Students can also leave an anonymous message on the college's toll-free number for reporting sexual violence at 855-RSV-4RSV (855-778-4778) or send an email to 4rsv@lc.edu. Please visit <https://www.lc.edu/4RSV> for more information.

Academic Continuity Statement

In the event of an unexpected campus closure or delayed start, course requirements, deadlines and grading percentages are subject to change when necessitated by revised course delivery, semester calendar or other circumstances. Information about changes

in the course can be obtained on the Blackboard course homepage or by contacting the instructor. Contact information can be found on the course syllabus. If the course is not able to meet face-to-face, students should immediately log onto [L&C Blackboard](#), and read any announcements and/or alternative assignments. Students are also encouraged to continue the readings and other assignments as outlined on the syllabus or subsequent syllabi.

Virtual Meeting Policy

By participating in our live events, you are acknowledging awareness that, depending on your involvement, your name, voice, comments, and likeness may be recorded and shared with other L&C students and faculty. If you are uncomfortable participating with these acknowledgements, please contact your course instructor for alternate arrangements.

Diversity Statement

At Lewis and Clark Community College, we are seriously committed to supporting diversity and inclusion in our classrooms and community. We proactively strive to construct a safe and inclusive environment by respecting each other's dignity and privacy. We treat one another fairly and honor each member's experiences, beliefs, perspectives, abilities, and backgrounds, regardless of race, religion, language, immigration status, sexual orientation, gender identification, ability status, socio-economic status, national identity, or any other identity markers. Bullying, hateful ideas, violent language, belittling, racial slurs, and other disrespectful or "othering" language or behavior will not be tolerated. We behave and communicate respectfully toward one another, both directly and indirectly, both inside and outside the classroom. A diverse and inclusive campus is our strength, and we want all who are part of our campus community to feel safe and respected.

If you ever have any concerns about the classroom climate, please reach out to your Dean, Dean Tom Steinmann, Dean of Science, Technology, English and Math, NU 213A, 618-468-4800, tsteinma@lc.edu or Dean Randy Gallaher, Dean Liberal Arts, Business and Information Technology, TR0134, rgallahe@lc.edu

L&C Policy on Academic Honesty: Cheating.

Intentionally using or attempting to use unauthorized materials, information or study aids; use of any unauthorized assistance, resources, materials or electronic/cellular devices with or without photographic capability in taking quizzes, tests or examinations and the acquisition, without permission, of a test or other academic material belonging to Lewis & Clark Community College, to any department, or to any staff

Plagiarism

Plagiarism at LCCC will not be tolerated. Plagiarism includes the reproduction of ideas, words or statements of another person as one's own without acknowledgement or use of an agency engaged in the selling of term papers or other academic materials. If

instructor has reason to believe students are in violation of this policy, students will be notified and appropriate action will be taken.

LCCC Plagiarism statement

Assignments that have been copied from another student or another source will not be scored. "Academic dishonesty including, but not limited to, cheating, plagiarism, and forgery, violates the STUDENT CONDUCT CODE and will lead to disciplinary action up to and including expulsion". The following website will give you in-depth information on the definition of plagiarism and more: <http://www.plagiarism.org/article/what-is-plagiarism> Please visit this site if you need clarification.

Unauthorized Collaboration

Unauthorized collaboration among students will not be tolerated. Unauthorized collaboration is defined as intentionally sharing or working together in an academic exercise when such actions are not approved by the course instructor. Academic exercises include but are not limited to all face-to-face and/or online classroom assignments, activities, exams, quizzes, worksheets, online discussion questions, term papers, case studies, projects, research, or any other requirement assigned by the instructor for which students receive individual grades. If the instructor has reason to believe students share or work together collaboratively on such academic exercises, the student(s) will be notified and at the minimum, receive a zero on the assignment.

Facilitation of Academic Dishonesty

Permitting or attempting to help another to violate the academic honor code; Alteration or sabotage of another student's work, such as tampering with or modifying any online or written assignments including but not limited to quizzes, exams, worksheets, term papers, case studies, projects, research, discussion board entries, etc. If the instructor has reason to believe students facilitate academic dishonesty, the student(s) will be notified, and appropriate action will be taken.

• **Stef's additional comment:** In the case you go virtual, feel free to *not* allow Zoom to use your video camera and to use an alias. If you do use an alias, please tell me in a private chat or email so I know who you really are. I want you to be comfortable in my class. The Zoom sessions are recorded and made available to the class through a password-protected folder on my Website. Tell me if you need anything.

• **Blackboard:** I use Blackboard very little. You will use it to register for MML at the beginning of the semester. You will spend most of your time outside of class in MML or www.stlmath.com. Do *not* use Messages in Blackboard; please email me at soleary@lc.edu instead.

• **For Your Information: Exam Rules for Syllabi (based on new state standards)**

To ensure the integrity of academic work and support compliance with accreditation

standards, a minimum of 60% of all graded assessments in each course must be proctored. Proctoring may be conducted either:

- Online using an approved remote proctoring system that verifies identity and monitors student activity during the assessment, or
- In-person at the institution's main campus testing center or a designated Community Education Center (CEC) location.
- In-person in a designated classroom monitored by the instructor or approved proctor by means of visual observation and/or computer monitoring software.

This policy applies to all credit-bearing courses offered by the institution, regardless of delivery format (online, hybrid, or in-person). Graded assessments include, but are not limited to exams, quizzes, worksheets, and research-based assignments or other evaluative tasks that contribute to the course grade.

• **Math Department AI Policy Statement**

The responsible use of Artificial Intelligence (AI) tools is permitted in mathematics courses for the purpose of learning and concept development. However, the use of AI tools to complete graded assignments intended to demonstrate a student's individual understanding and mastery of material is strictly prohibited.

• **Permitted Use of AI Tools**

AI tools such as ChatGPT, Wolfram Alpha, Microsoft Math Solver, PhotoMath, and similar platforms may be used to:

- Explore and reinforce mathematical concepts
- Practice problem-solving strategies
- Receive guided explanations for learning purposes

These tools are encouraged as educational resources, provided their use supports the student's learning rather than replaces their own reasoning.

• **Prohibited Use of AI Tools**

Students may not use AI tools to generate answers or complete any graded work that is intended to reflect their own comprehension and problem-solving abilities. This includes, but is not limited to:

- Homework assignments
- Quizzes
- Tests or exams
- Take-home assessments
- Projects involving mathematical calculations or proofs

• **Academic Integrity Statement**

Use of AI in violation of this policy is considered unauthorized assistance and constitutes a breach of LC's Academic Honesty Policy and Student Code of Conduct. Consequences

of such violations include disciplinary action up to and including expulsion from the college.

- **Rationale**

The purpose of mathematics instruction is to develop critical thinking, problem-solving skills, and conceptual understanding. While AI tools offer significant educational benefits, unapproved reliance on them undermines academic integrity and devalues personal learning. This policy ensures fairness, upholds the integrity of academic credentials, and aligns with institutional standards for ethical academic behavior.