

Health Sciences-Integrated Math MATH 124
Section 02
Syllabus Fall 2026

Stefanie O'Leary-Johnson, Professor

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

Phone: 618-468-4844

Website: www.stlmath.com

Office hours (CM 217): Monday through Thursday 8:30 – 8:50 am and Tuesday and Thursday 11:00 – 11:50 am & 2:00 – 3:00 pm

Tutors Available: Online tutoring with the stellar tutors in the Math Resource Center, email stemtutoring@lc.edu or call 618-468-4118 for more information & in-person hours to be discussed later

We will cover the material with a mix of lectures, worksheets, 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 want a three-ring binder notebook to keep your notes. I have prepared Class Notes which we will complete during class.

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 which work you through definitions and examples
- Important Dates including exams and drop/withdraw dates
- Syllabus, handouts
- Archived worksheets that may help you review or extend certain topics

Textbook and Calculator:

· *Practical Problems in Mathematics for Health Science Careers*, Simmers et al, 2013, third edition. We will cover sections 1-6, 10, and 11. Sections 1-3 are a review of arithmetic and will not be covered fully. (This book is divided into Sections which are subdivided into Units.)

· We will also be using an LC-generated book titled *Math 114: Math for Health Sciences*. I will distribute those in class. There is considerable overlap between this and sections 4-6, 10, and 11 from the other book. (This book is divided into Modules which are subdivided into Parts.)

· **You need a calculator that has four function (addition, subtraction, multiplication, division) plus square root capabilities.** The college officially suggests you get the TI-503 (TI stands for Texas Instruments). 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 with it, 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. It is *not* acceptable to attempt this class without a calculator.

· If you do *not* have an actual calculator, it is okay to use an app on your phone or calculator emulator program on your computer. A real calculator will need to be borrowed from the Math Resource Center for exam days.

Evaluation/Point Breakdown:

Attendance	5% of total
Quizzes Collected in Class	5% of total
Average of Three Paper-and-Pencil Exam Grades	90% of total

· The grade scale is A – 90%, B – 80%, C – 70%, D – 60%. Your grade information will be available through Blackboard (Bb).

· Two of the exams we will take are the **Math 114 (Tech Math for Allied Health) Midterm and Math 114 Exit Exam**. We will take the Midterm after we cover the material for Modules 1-6. We will take the Exit Exam on the last two days we meet. You will only be allowed a limited sheet of facts to bring with you on each of these exams. You must pass this last exam to pass the class. It is also figured into your course grade as seen above. If you do not pass the Exit Exam the first time, you are given a second chance on the next class period.

- You are required to take all three exams. We will take these exams according to the schedule below. Quizzes will cover medical abbreviations and topics discussed in class. They will be short but frequent.

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

Week	Units/Modules covered*	Exams (Dates to be determined)
1	Units 1-16 (Arithmetic Review)	
2		
3	Units 17, 18 (Module 1)	
4	Units 19, 20 (Module 3)	
5	Unit 21 (Module 3)	Exam over material to this point
6	Units 22, 23 (Module 5)	
7	Units 24, 25 (Modules 5, 6)	
8	Units 26, 27 (Module 6)	
9	Unit 49 (Module 4)	
10	Module 2	
11	(review)	Math 114 Midterm
12	Solving equations, lines, perimeter, area, surface area	
13	Unit 44 (Module 7)	
14	Units 45, 46 (Modules 8, 9)	
15	Unit 47 (Module 8)	
16	Unit 48 (Modules 9, 10)	
17		Math 114 Exit Exam Mon., Dec. 14 (first chance) and Wed., Dec. 16 (second chance)

*The units are numbered from the Simmers book. The overlapping modules are from the LC book.

- You will be assigned regular Homework. You will show that you have done it by taking small quizzes throughout the semester. Homework should be done promptly as most people will find the graded Quizzes and Exams undoable without practice. Homework will take some time to complete, so make sure you give yourself plenty of time. Plan on doing a little homework every day. My office hours are available to you.

Attendance and makeup policies:

- Attendance is highly suggested. You are expected to come to class prepared. Poor attendance is a sure way to flunk.

- **When you miss class or come late, it is your responsibility to find out what you missed by emailing or asking me in person sufficiently 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 you want to be called. 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 MML. 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. 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 Friday, September 4. The last day to withdraw with a grade of W is Friday, November 20 (to avoid a D or F). The last day of the semester is Thursday, December 17.

- **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.

· **Blackboard:** We will *not* be using Blackboard. 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.