Welcome Everyone To
Calculus & Analytic Geometry I, MATH 150
Fall 2025 – Section 3826
TuTh 11:00AM - 1:15PM, OC3509

DR. LEILA SAFARALIAN

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Office Telephone:
(760)757-2121, EXT 6398
Student Office Hours:
TuTh 9:30am -10:30am in-person, via Zoom or by appointment. The Zoom link can be found in the Canvas page.
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Prerequisites: MATH 131 or MATH 131H or MATH 135 or eligibility determined by the math placement process.

Course Description: This course is the first in a three-semester calculus sequence designed for mathematics, science, and engineering majors. Topics include limits and continuity; differentiation of algebraic, trigonometric, and exponential functions and their inverses; integration and the fundamental theorem of calculus; and applications of differentiation and integration.

Course Student Learning Outcomes: For a given set of problems the student will demonstrate quantitative reasoning by developing a problem-solving strategy, performing appropriate analysis and computation, and critically assessing the meaning of the conclusion or outcome.

Core Competencies: Intellectual and practical skills, including quantitative literacy and problem solving, will be practiced extensively across the curriculum in the context of progressively more challenging problems, projects, and standards for performance.

Canvas Assistance:
In addition to weekly in-person meetings, our class will be completely housed on Canvas and this link will take you to MiraCosta's Online education page. Here you will have access to the Canvas login page as well as all of the contact information to online student support. Please make sure to take the time right now to make sure you are able to login into Canvas.

REQUIRED MATERIALS AND MINDSET

- **WebAssign** - This program will allow you to complete your assignments and give you access to the ebook below. Access is available to purchase from the MiraCosta Bookstore or you will be able to purchase and enroll through Canvas for $39.99.
- **Calculus - Early Transcendental Functions** - *7th ed*. by Ron Larson and Bruce Edwards (ebook included in WebAssign)
- **Graphing Tools Guidelines:** In the past, a Texas Instruments graphing calculator was required for this course. However, our policy has been updated to give students more flexibility while maintaining the expectation that they develop graphing technology skills.

  For general assignments, you are welcome to use any of the following free tools:

- **A free online emulator** for the TI-84 calculator
- The **Desmos** app, which is also available at no cost

Students are welcome to use various graphing tools outside of class to support their learning, but specific guidelines apply during assessments.
For in-person courses: Students must use either a physical graphing calculator or the Desmos Test Mode app on a cell phone or tablet. Some TI graphing calculators may be available for student use in the classroom. If you choose to purchase a calculator for this course, the recommended model is the TI-84.

- Determination, hard work, and desire to succeed!

Course Structure: Our class will be completely housed on Canvas. This link will take you to MiraCosta's Online education page. Here you will have access to the Canvas login page as well as all of the contact information to online student support. Please make sure to take the time right now to make sure you are able to login into Canvas. A typical week in this course will consist of weekly modules with items due three times a week (Wednesdays, Fridays & Sundays).

Flipped Classroom Approach: Our course will utilize a flipped classroom model. This means that traditional lectures are posted online for you to watch at your convenience before coming to class. You are expected to take careful notes and bring any questions, or points of confusion to class, where we can address them in a supportive and interactive environment. This method aims to enhance your understanding and retention of mathematical concepts through active engagement and practice.

By providing lectures online, you can take as much time as needed to go through them and grasp the material at your own pace. This approach allows our in-person class time to be dedicated to active learning activities, such as problem-solving, discussions, and collaborative work. It is essential that you come to class prepared, having watched the lectures and taken notes, so we can make the most of our time together.

Life skills: Sometimes it takes practice to improve our time management skills and stop procrastinating

My Teaching Philosophy

Everyone who enrolls in this course has the goal of learning calculus. By the end of the semester, I hope you feel empowered by your strong mathematical knowledge. However, there are many other ways that success also happens. Success happens when we are the first in our families to go to college because we represent not just ourselves, but also our families. Success happens when we persist despite the words and actions of others who discourage us. Success happens when we find our people/our community who actively support, motivate, and uplift us through our journey. Success happens every time we notice a classmate who needs an advocate or a friend, and we act on their behalf through support, encouragement, and kindness.

Class Culture and the Learning Process: This class is based on the belief that everyone has the capability to learn Calculus. How we act as individuals and as a class will be the key to accomplishing our goals successfully. Consequently, I hope we can base our interactions on the following agreements:

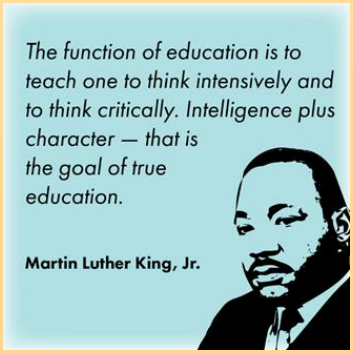
1) **Value your time.** It's very easy to get distracted when you have a computer or smartphone in front of you, but your time is valuable. When it's time to learn and do homework, remove as many distractions as possible. 1 hour of focused work is much more beneficial than 2 hours of trying to learn with distractions.

2) **Be kind to yourself and to others around you.** Remember we are all human beings and we all have our own struggles. Creating a successful class means being able to rely on those around us when we are in need. Be the type of person you would like to turn to when you are in need of help.

3) **Struggle productively.** Know that it is normal to struggle on some problems more than on others. Be persistent, but also know when to ask for help. My goal is to give you what you need to make an attempt at each homework problem, but I also don't expect that you will always be able to do all of your homework successfully. I want you to work hard, but I also want you to work productively. If you find yourself spending a lot of time without making any progress, try taking a break, going to office hours, setting up an online tutoring session, or going to TLC. A small bit of direction can make a big difference.

4) **Learning is a process.** This class is set up so that you do smaller amounts of work over a greater number of days. Doing one hour of work every day for five days will provide more benefit than five hours of work done on a single day. Approach math as you would approach a sport. Practice almost every day, try your best, and do the work in a good faith way.

5) **Know the process and the concepts.** My goal is to create lifelong learners and to prepare my math students not just to pass my class but to succeed in subsequent courses. Therefore, I encourage you to find the joy of learning math by investing yourself in learning more than procedures (HOW). When you understand the concepts (WHY), math becomes enjoyable and beautiful.



6) **Take pride in our work.** When you turn in an assignment, ask yourself "is this my best work given the resources and obstacles I have?" Your mathematical work is like a conversation. Therefore, I will emphasize showing work in a logical manner, writing complete steps, and using correct mathematical notation.
7) **Education is an investment.** Like any other worthwhile investment, your education will require that you put a lot of time and work into achieving your goals. Our class is a 5-unit course. The expectation is that you will spend at least twice as many hours as you spend in class with me "outside" of class (doing homework, watching the lecture videos, and studying).

IMPORTANT COLLEGE DATES AND DEADLINES

Please refer to the Detailed List of Dates and Deadlines to view important dates and deadlines for all MiraCosta students such as the last day to drop classes for a full refund and no record.

Drop with no record & full refund	• **8/29/2025**
Pass/No Pass Option	• **12/13/2025**
Drop Class with a "W" grade	• **11/14/2025**

TIPS ON HOW TO BE SUCCESSFUL IN THIS CLASS:

- Complete the current lesson's written and online homework by due dates listed.
- Be prepared to turn in homework three days a week.
- Keep pace with the posted due dates to aid with deeper understanding.
- Engage in practice opportunities and read in a timely manner.
- Reach out for help.

You have to get up every morning and tell yourself *"I can do this"*

Late Work: Learning is a partnership with mutual responsibility. Your responsibility is to commit to your education as a personal investment in yourself. You should plan on submitting everything by the due date because it has many benefits for you! If you have any questions or concerns, please let me know.

Canvas Homework Assignments: There will be frequent assignments on Canvas, including submission of notes. Make sure to take thorough notes while watching lecture videos. There will also be some extra credit opportunities applied to this category. Late homework assignments will be accepted with 10% deduction in grade. You will not be allowed to turn in any assignments for any sections that we have already been tested on.

WebAssign Assignments: Because I know that the daily deadlines can be a lot, you can still work on past due WebAssign assignments for a small 10% deduction in grade up to 14 days past the deadline, as long as it is still before the corresponding exam window. Simply request an automatic extension directly though WebAssign. You can request an automatic extension up until the corresponding exam window.

Quizzes: There will be about eight quizzes on WebAssign. Students can access each quiz 48 hours before the due date, and they have 120 minutes to complete each quiz. **The two lowest quiz scores will be dropped.** There will always be a quiz/exam date/window that you are expected to take the assessment within. If you are unable to take a quiz or exam during the given window, please contact me prior to arrange the assessment to be taken early.

We've got you covered!

Faculty (including me), counselors, student tutors, and more are ready to help you reach your educational goals. We can help you with your course schedule, choosing classes, finding financial aid, improving your study skills, accessing the food pantry and fresh food farmers market, getting math tutoring, etc.

Your whole-hearted participation in this course is vital to your success. You contribute to a diverse and enriched learning and teaching experience for your classmates and for me.

What's my role?

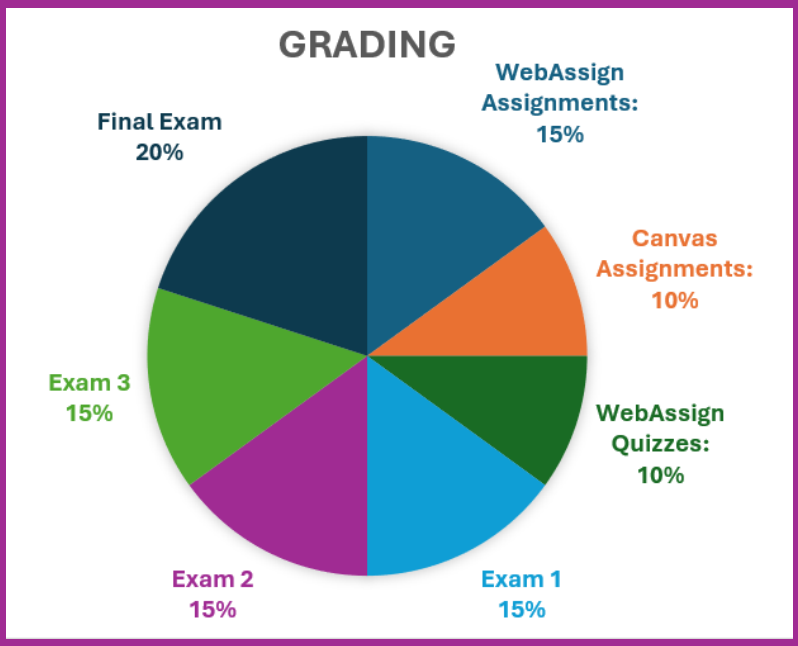
As your course instructor, I am your first contact for any help you might need in this course. If something doesn't make sense, sounds confusing, or you'd just like more information, let me know. If you're having difficulty navigating our Canvas course, let me know.

SAFE SPACE
MiraCosta College LGBTQIA

Grading:

WebAssign Assignments: 15%
Canvas Assignments: 10%
WebAssign Quizzes: 10%
Exam 1: 15%
Exam 2: 15%
Exam 3: 15%
Final Exam: 20%

OVERALL COURSE GRADE
90% - 100% = A
80% - 89% = B
70% - 79% = C
60% - 69% = D
Below 60% = F



Exams: Exams will be scheduled during the class times. Tentative schedule of exams is posted in the Course timeline. If for a legitimate reason you cannot take the exam in the scheduled time, please contact me before the exam so that we can schedule the alternative exam time.

Exam Schedule

Exam 1	Tuesday. September 9 on chapter 2
Exam 2	Tuesday. October 7 on chapter 3
Exam 3	Tuesday. November 4 on Chapter 4
Final Exam	December 9,12:00-1:50pm on chapter 2,3,4,5

Make-up Exams: If you have a legitimate reason that prevents you from taking the exam at the scheduled time, please notify me immediately and in advance of the scheduled exam so we can arrange for taking the test at some other time.

Lecture/Attendance: Students are strongly encouraged to attend the class. This is the best way to stay on schedule, get a chance to ask questions and to actively participate in our class community. Please let me know if you cannot attend a scheduled class. Attending class is an important component of learning. Students who miss class are still responsible for announcements or changes regarding the course outline, class activities, homework assignments, due dates and exam dates.

TENTATIVE SCHEDULE

Week	Date	Sections Covered
Week 1	August 18-24	Getting Started with WebAssign, 2.1
Week 2	August 25-31	2.2, 2.3, Worksheet 1 (2.2-2.3), **Quiz 1 (2.1-2.3)**
Week 3	September 1-7	2.4, 2.5, Worksheet 2 (2.4-2.5), **Quiz 2 (2.4, 2.5), Review**
Week 4	September 8-14	**Exam 1 (on chapter 2) Tu. Sept. 9,** 3.1, 3.2
Week 5	September 15-21	3.3, 3.4, Worksheet 3 (3.1-3.4), **Quiz 3 (3.1-3.4)**
Week 6	September 22-28	3.5, 3.6
Week 7	September 29-October 5	3.7, Worksheet 4 (3.4-3.7), **Quiz 4 (3.5-3.7), Review**
Week 8	October 6-12	**Exam 2 (on chapter 3) Tu. October 7,** 4.1,4.2
Week 9	October 13-19	4.3, 4.4, Worksheet 5 (4.1-4.4), **Quiz 5 (4.1-4.4)**
Week 10	October 20-26	4.5, 4.6
Week 11	October 27-November 2	4.7, 4.8, Worksheet 6 (4.4-4.7), **Quiz 6 (4.5 - 4.8), Review**
Week 12	November 3-9	**Exam 3 (chapter 4) Tu. November 4,** 5.1
Week 13	November 10-16	5.2, 5.3
Week 14	November 17-23	5.4, Worksheet 7 (5.1-5.4), **Quiz 7 (5.1 - 5.4),** 5.5
Week 15	November 24-30	5.6, 5.7, **Thursday, Nov. 27th is a holiday.**
Week 16	December 1-7	5.8, Worksheet 8 (5.5-5.8), **Quiz 8 (5.5 - 5.8), Review**
Week 17	December 9, 12:00-1:50pm	**Final Exam (chapter 2,3,4, &5)**

The Learning Centers: The Learning Centers are available to all students at MiraCosta College and offers free tutoring and writing feedback at three campus locations, as well as online through Zoom. Students have access to friendly, knowledgeable tutors who are dedicated to supporting their academic success, whether in person or virtually. For hours of operation, appointment availability, and additional information, please visit TLC website

Online Academic Support Resources for ALL Students
Online Academic Support and Tutoring and the 24x7 online ask-a-librarian service. These services are open to all MiraCosta students in any class!

Academic Accommodations: If you have a disability or medical condition impacting learning and have not yet been authorized to receive academic accommodations, you're encouraged to contact the Student Accessibility Services (SAS) office (formerly known as Disabled Students Programs and Services or DSPS). The SAS office can be reached at (760) 795-6658, or sas@miracosta.edu. The SAS office will help you determine what accommodations are available for you. If you're requesting my assistance utilizing any authorized accommodations, please contact me as soon as possible.

AB 540 & DACA Students: Access information about resources for AB 540, DACA, Undocumented and Mixed Status Students such as application procedures and the on-campus UndocuAlly program. UPRISE

Campus Assessment, Resources, and Education (CARE) Program: It can be difficult to be present and maintain focus if you have challenges meeting basic needs like a place to live, access to food, consistent transportation, and more. These challenges may impact your personal and academic success and we are here to help. Our Campus Assessment, Resources, and Education (CARE) Department provides assistance with finding resources on and off campus to meet those basic needs. I urge you to speak with me so that I may submit a CARE referral on your behalf. You may also visit www.miracosta.edu/CARE or contact care@miracosta.edu for further support, resources, or information.
Student Support Services

Associate Degree of Transfer (ADT) in Math: Obtaining an Associate Degree of Transfer (ADT) will increase priority admission to the California State Universities (CSUs) for many majors. Students completing the ADT in Math will have completed lower-division major preparation requirements for a mathematics degree, an emphasis or option within a mathematics degree, or a degree considered similar to mathematics at a participating CSU campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a mathematics major and to determine which CSU campuses are participating in this program. More information can be found in the MiraCosta catalog.

LGBTQIA Safe Space Program: MiraCosta College has an expressed commitment to equity and inclusion for students, faculty, and staff members who are lesbian, gay, bisexual, transgender, queer, questioning, intersex, and asexual. The district employs a Campus Liaison for LGBTQIA+ Needs, offers LGBTQIA Safe Space training, and has multiple student scholarships for members and active allies of the LGBTQIA+ community. For information about these and additional campus resources and services visit LGBTQIA or contact the LGBTQIA needs at (760) 795-6460.

Veteran Services: The Veterans Education Office, located in Building 3300, provides assistance to veterans and dependents wishing to use their educational benefits at MiraCosta College.
The Veterans Information Center, located in Building T-100, provides a place for students to find resources on VA educational benefits, MiraCosta Student Services, and community organizations that are dedicated to assisting veterans. The center also provides a place for students to relax, study, and meet with friends. The Veteran Peer Advisors are also available. Resources are available on a variety of issues, including employment, counseling, housing, and healthcare.
Oceanside Campus Veteran Services
3300 Building: P 760.757.2121 x6285
T100 Building: P 760.757.2121 x6981

Counseling Services: The Counseling Center offers individualized academic, career, and personal counseling to assist both prospective and current students in developing their educational programs, coordinating their career and academic goals, and understanding graduation, major, certificate, and transfer requirements. Students can use online resources here Counseling Services
As a student in these challenging times, there may be times when personal stressors interfere with your academic performance and/or negatively impact your daily life. Please know that MiraCosta College Health Services offers personal counseling sessions. For a session, call 760-795-6675 or visit the Health Services website. There is no additional fee for these sessions for credit students, and the content of the sessions is confidential.

Wonderful, Free, Available Resources: There are many free resources available for you on campus to assist you with your education:

- Food pantry Health Services Textbook loan program

Wonderful, Supportive Clubs and/or Organizations: Joining a Club or organization is a fun and instrumental part of your college education. Here are some of the clubs and organizations to check out:

- Puente Umoja RAFFY (Former Foster Youth) and many more

CLASS POLICIES

Drops: If you decide to drop the course, use SURF to drop yourself. You will not be dropped automatically.

Grade/Repeating Course Issue: The state has decided to limit students with more than 3 grades of D, F, NP, or W. Grades prior to summer 2012 will be included in the count. You need to be extremely careful with these and make the big decision about dropping the course very early (see page 4 for the drop deadline).

Exams/Quizzes
You are to work by yourself and may not seek help from another person or the internet in any way. Exams will be proctored at the APC. You must make sure to follow all instructions given by them. You will not be allowed any notes and they will supply you with a graphing calculator, if allowed.

Curving of Tests and Course Grades: I do not curve exams based on a high or low average and I do not give an incomplete grade.

Cheating Policy and Classroom Behavior:
There might be times when you feel pressured by the amount of work needed to accomplish a task. Yet violating academic integrity policies can compromise your academic career. When completing any assignments for this class, let it reflect your own learning by submitting your own work. This lets me know what areas, if any, you still need support with. I encourage you to fully participate in discussions and to form study groups with your classmates, but please do not copy a classmate's work and turn it in as your own. A student who is found cheating will be reported to the Office of Student Affairs and will receive an F on the related assignment and the situation will be reported to the Office of Student Affairs. These include, but are not limited to, the following:

- Looking at another person's exam during a testing situation.
- Bringing in and using notes or supplemental materials (including electronic devices) on quizzes and exams when none are allowed.
- Allowing another student to copy your work and submit it.

ATTENDANCE: Attendance is crucial for your success in this course, especially during the first week. If you miss a session during this time, I am required to drop you as a "No Show," which also allows students on the waitlist to join. Each class session involves active learning activities such as problem-solving, discussions, and group work, all of which are integral to your learning experience. Your consistent attendance and participation will significantly contribute to your overall success in the course. MCC's attendance policy

All students must conduct themselves in a respectful manner towards the other students, and towards the instructor. Disrespectful language or disruptive behavior can result in the temporary or permanent removal of the student from class.

Guidelines for AI Use:

This course supports the thoughtful and ethical use of artificial intelligence (AI) tools such as ChatGPT, Gemini, Bard, and Wolfram Alpha to enhance your learning. Think of AI as a helpful tutor that is always available, not a shortcut or a replacement for your own effort. When used correctly, these tools can help you better understand course material. When misused, they can hinder your learning and violate academic integrity.

✅ Permitted AI Use

You may use AI tools to support your understanding on **homework and practice assignments**. For example:

- When you are stuck, you may ask AI to explain concepts or walk through similar problems
- You may ask AI to generate extra practice problems
- You can use AI to look up vocabulary terms or review math techniques

However, make sure you understand the work AI generates. Do not copy solutions without learning from them. Being able to solve problems on your own is essential for success on assessments.

❌ Prohibited AI Use

You may not use AI tools in any form during any assessment, including quizzes, exams, the final exam, or any other evaluation unless explicitly allowed by the instructor. Using AI during assessments is a violation of academic integrity. These evaluations are designed to measure your individual mastery of the material, not the abilities of an AI tool.

🔍 Additional Guidelines

Consultation Encouraged: If you are unsure how to use AI appropriately, please talk with me. I can help guide you on how to use these tools to deepen your understanding without relying on them too heavily.

Show Your Work: In math, showing your steps is essential. Whether you use AI for help or not, you must be able to explain and demonstrate your reasoning.

Be Ethical: Misrepresenting AI-generated work as your own is a form of academic dishonesty. Use AI to support your learning, not to bypass it.

Remember: The purpose of this course is to help you build strong and transferable math skills. AI can be a valuable support when used wisely, but real progress comes from your own thinking, practice, and perseverance.