FOLSOM LAKE COLLEGE
EL DORADO CENTER | RANCHO CORDOVA CENTER

Math 310 Spring 2026 Syllabus

This is a CS/UC transferable course.

Course # 15245 & 19169 Fully Online This class will be on Canvas

Instructor: Marc Olsen **Email**: through Canvas **Office Phone**:916-608-6759
Office: Oak Hall (FL6) 242 **Website:** marcolsen.weebly.com

Office Hours:

Day	Time	Location	Session Leader
Monday	10-10:30am 1-2 pm	Prof. Olsen's Office OR FL4-133 Math Center FL2-246	Prof. Olsen
Tuesday	11:30-12:30 pm	online https://lrccd.zoom.us/j/91730749821	Prof. Olsen
Wednesday	10-10:30am 1-2 pm	Prof. Olsen's Office OR FL4-133 Math Center FL2-246	Prof. Olsen
All Week		By canvas email	Prof. Olsen
By Appointment	By Appointment	In-person, online, by phone, as mutually agreed upon	Prof. Olsen

- Feel free to stop by my office and knock if you want to see me in person.
- Allow 48 hours to respond to canvas emails. I do not check emails after 5pm or on weekends.

Prerequisites:

Successful completion of Intermediate Algebra or equivalent (Integrated Math 3) with a grade of "C-" or better OR through the placement process. Getting a permission number from me does not allow you to enroll without having shown proof of having the prerequisites.

Student Learning Outcomes and Objectives:
Upon completion of this course, the student will be able to:

- explore new branches of mathematics by recognizing connections and patterns to previously encountered topics.
- solve applied problems by recognizing connections between methods of solution employed in various mathematical fields.
- develop and explain a mathematical solution to a problem not previously encountered by the student.
- explore a mathematical problem independently, extending their solution to questions not necessarily posed by the instructor.

Required Materials (e-book + MyLab HW Software):

Required HW subscription & e-book bundle:

Your paid subscription to our MyMathLab HW and Exam software is required to access and complete the HW assignments and Exams. **The e-book is bundled along with this access for free, you do not need to purchase a book, just your subscription to MyLab.** We will be using the e-book to read and learn the material. If you are a person who prefers to have a physical book you can order the "optional hard copy of text" described below. We will be using the MyLab software to complete all HW assignments, exams, and reading of the textbook. Therefore, this will be a requirement to get access for the semester. (purchase of the textbook as a secondary hardcopy is not required)

To sign-up for your subscription to MyLab which comes with a copy of the ebook, you will want to read the following pearson support page watch the following video linked in that page:

Please watch this video for how to register for MyLab through Canvas:

A summary of this is as follows: Enter our math 310 canvas course. In the upper left navigation tab, click on the "Access Pearson" tab in the left hand navigation menu inside of our canvas course. Follow the button clicks into Pearson agreeing to authorization requests. If you already have a Pearson account, you will want to follow the prompts to link this to your existing Pearson account. If you do not already have a Pearson account from another class in the past, then you will need to create an account.

Initially you will be able to either pay immediately or request to utilize a temporary access. If you choose to use the temporary 14 day access, you will still need to make sure to purchase your semester access before the end of the temporary access code expires to avoid any disruptions in your access. Any loss of access or missing assignments due to loss of access for non-payment will not be granted any makeup privileges.

If you use the temporary access when you are ready, you can upgrade your temporary access to full access when you are prompted at one of your future accesses to the Pearson HW assignments in our canvas course or you can navigate again to Pearson MyLab from the Access Pearson navigation tab in the upper left hand of our class canvas page.

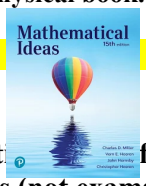
Required Technology:

You must have regular access to a working computer or tablet with a reliable internet connection. You will need access to a printer and a device that can scan documents like a smart phone or document scanner.

You will need to regularly check Canvas, as it is our main portal for housing and communicating this course. As a student at Folsom Lake College you will be given a Canvas account and you will want to turn on your notifications so that you will be informed when new communications, due dates, and any other important information is available. You will also want to download the Canvas Student App on your smartphone or tablet if you are using one. If you want to learn how to use the app there are videos online you can watch to learn how. You will be asked to scan documents into single PDF or WORD documents and submit them on Canvas. It will be up to the student to ensure they have means of doing this.

Optional (not required) Hard Copy of Text: NOTE: An e-book comes bundled with the MyLab software, so a physical book is NOT NECESSARY but available only if you prefer to have a physical book.

Mathematical Ideas Miller, Heeren, Hornsby, 15th edition, Published by Pearson
ISBN-10-013805147X OR ISBN-13-978-0138051471



Calculators are a helpful tool for this class but are not necessary. You can also ut free online calculators such as www.desmos.com and websites to help you with many of your class needs (not exams).

Technology Help!

If you are having any technical problems with Canvas, your first line of defense is the 24/7 Canvas Support. We may not be able to help you with Canvas technical problems, but if there are any problems with the course materials or access to any part of the course, contact us.

How to Get Canvas Help

You can use the Help button on the lower left corner of the navigation bar of your course to contact the Canvas support team.

- Call the Canvas 24/7 Support phone number 844.600.4947 for direct access to the Instructure help desk.
- Review the Canvas Student Tour
- Review the Canvas Student Getting Started Guide
- Find answers in the Canvas Student Guide

Grading: The approximate Grading breakdown is as shown below. ***The instructor reserves the right to adjust this scale or scheme when he deems appropriate. Below are the weighted categories which make up your grade.***

Assignments	30%	30 pts	90-100%	A
Homework	30%	30 pts	80-89%	B
Midterm Exam	20%	20 pts	70-79%	C
Final Exam	20%	20 pts	60-69%	D
	100%	100 pts	less than 60%	F

It is your responsibility to save all of your returned work and exams. This is your only record of the work you have completed. It is your responsibility to inform the instructor if your grade in the canvas gradebook does not match the grade on your returned work by the last day of regular class instruction (before the final). If the instructor finds an error in the gradebook that is higher than the previously posted grade, the instructor may change the grade to the correct grade regardless of the time the erroneous grade was posted.

Extra Credit : Extra credit may be given during the semester at the instructor's discretion, but is not graded until the end of the semester. **Students who complete 0.5 unit LTAT 30 or 31 (availability is limited to first come first served) will earn 1.75%** to their overall grade percent at the end of the semester. **Students who enroll after week 4 and complete the course will earn 1%.**

To enroll, please go to the Math Center in FL2 246 or fill out this google form or to ask questions regarding the course you can send them an email mathcenter@flc.losrios.edu to get a permission number.

Participation:

You are encouraged to be an active learner/participant in class and come to office hours. Your questions and participation in class discussions are kindly encouraged. In an online format, participation is considered communicating with me, or getting help from a tutor.

Assignments:

Course Overview (Modules tab in Canvas):

Access to all course documents and understanding of the course from a student perspective including due dates, assignments, and overall picture of the course, is to be viewed in the MODULES tab in canvas. This is the intended student perspective for all instructor provided resources for the entire course.

Homework:

Your homework grade will fall under the Homework category and it will be based on your Book Homework assignments which will be given during the semester. Homework assignments will be due every Saturday night at 11:59 pm. I strongly suggest you complete your online HW on binder paper as though the assignment was from a book. Create a formal set of assignments that you write down problem numbers (and problem statements too) along with all your clearly annotated hand work leading up to your answer. The reason for this is that when studying for the exams it will be helpful to be able to look back and reflect on your HW.

Late HW and Make ups may not be allowed on the Weekly HW Homework assignments subject to instructor discretion. If you have an issue, you must communicate with the instructor prior to the assignment due dates.

HW will be completed using MyMathLab or otherwise called MyLab, which requires a subscription. This is the only required material for this class. Your subscription comes with a copy of the ebook. This will be a large part of your learning, since many of us learn by doing, and learn from making mistakes! As such, you will have unlimited opportunities to get a problem correct. If you get a problem wrong, you can repeat the question as many times as you need until you get it correct (all the way until the assignment is due, then you can no longer do problems for credit to your grade). If you have HW questions you can post your questions in that chapter's discussion board.

Discussions:

There will be some assignments that require you to participate in online discussions.

Quizzes:

There may be quizzes assigned in the assignments category.

Projects:

There will be projects this semester. My plan is to have students complete the creation and execution of lesson plan(s) and other projects which :is in support of the course material. The purpose of this will be to help prepare students for teaching and more importantly, understanding the class material on a deeper level as you take topics from the class, and create applications and assignments of your own that not only highlight the mathematics but do it in a fun and approachable way. Transforming math into something fun is a skill that every teacher tries hard to hone, and requires a deeper understanding in order to generalize a topic into an application. Projects will fall under the “Assignments” category of your grade and will be an important part of your course grade.

Discussion posts:

We will have one graded discussion for each chapter in our class material. If you get to a problem or idea in the HW or elsewhere, then post your question in that chapter's discussion board. Each assignment will make clear how many questions and Substantial Replies are required for full credit. It is important that students post early on in each chapterIn general, from a student perspective, questions are valuable when there is an answer to it. Please treat the discussion posts like the change tray in a store, take a penny, leave a penny. If you have a question, then read the posts to see if your question has already been asked or answered, then make sure you try to answer or help answer someone else’s question. Always be sure to clearly explain your question and your answers. It is best if when you ask a question, you copy the problem and exact problem number into your post. It makes it easier for others to reply if they do not need to look up your question before answering. When answering, please be clear and include all your work or a copy of your work in your post. Answers are only helpful if they are clear and easy to understand.

Discussion posts work best if there is a 1 to 1 question to response ratio. Everyone brings their own piece of knowledge to a discussion, and discussions work best when everyone is reading and responding to each other.

You will need to follow the directions on the discussion assignments, which will include instructions for posting in advance of the due date to earn full credit on each assignment. For example: You must make your first post into any chapter discussion within the first week of a new chapter for full credit (if first post is not in the first week will earn only half of otherwise earned score). You must make your second post at least 2 days before the discussion is due.

Exams:

Midterm Exam:

There will be 1 midterm exam this semester. This will come at the end of chapter 3 and will cover chapters 1-3. There is a midterm exam study guide you can access in Pearson MyLab HW weeks in advance of the midterm. You may work on the study guide multiple times, and I encourage you to take notes on the problems, create or organize your work for ease of reference. The study guide will close the night before the exam opens. You may use your notes when you take the midterm exam. You may not use anything other than your book and your notes when taking the midterm exam. No communication with others, no outside computer/internet access (other than needed to take the exam).

Final Exam:

The final exam **will cover all material after chapter 3** and will occur on **Friday, May 15th - Saturday May 16th** online in our Pearson MyLab software. There is a final exam study guide you can access in Pearson MyLab HW weeks in advance of the midterm. You may work on the study guide multiple times, and I encourage you to take notes on the problems, create or organize your work for ease of reference. The study guide will close the night before the exam opens. You may use your notes when you take the midterm exam. You may not use anything other than your book and your notes when taking the final exam. No communication with others, no outside computer/internet access (other than needed to take the exam). Let me know at least 2 weeks in advance if you have any issues with the date of the final and I will do what I can to work with you. Please block out this date now. I will contact you in advance if there are any changes to this date.

Classroom Expectations:

My goal is to create a safe, respectful environment online where everyone feels comfortable challenging themselves. I strongly value people feeling confident that they can ask questions, voice their opinions and feel their view will be heard and valued. This is in alignment with acting in accordance to being in an institution of higher learning.

I strongly value students to be able to ask questions and propose solutions that may be incorrect or correct. Being wrong in a math class will happen more often than being correct, as this is how we learn from our mistakes. It is therefore imperative that students are not made to feel diminished by speaking thoughtfully and courteously in class.

Netiquette Guide for Online Courses

It is important to recognize that the online classroom is in fact a classroom, and certain behaviors are expected when you communicate with both your peers and your instructors. These guidelines for online behavior and interaction are known as netiquette.

Security

- Remember that your password is the only thing protecting you from pranks or more serious harm.
- Don't share your password with anyone.
- Change your password if you think someone else might know it.
- Always log out when you are finished using the system.

General Guidelines

When communicating online, you should always:

- Treat your instructor and classmates with respect in email or any other communication.
- Always use your professors' proper title: Dr. or Prof.
- Unless specifically invited, do not refer to your instructor by first name.
- Use clear and concise language.
- Remember that all college level communication should have correct spelling and grammar (this includes discussion boards).
- Avoid slang terms such as "wassup?" and texting abbreviations such as "u" instead of "you."
- Use standard fonts such as Ariel, Calibri or Times new Roman and use a size 10 or 12 pt. font
- Avoid using the caps lock feature AS IT CAN BE INTERPRETED AS YELLING.
- Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post and your message might be taken seriously or sound offensive.
- Be careful with personal information as well as be mindful of oversharing (both yours and other's).
- Do not send confidential information via e-mail.

Email Netiquette

When you send an email to your instructor, teaching assistant, or classmates, you should:

- Use a descriptive subject line.
- Begin your communications with your full name and class name/section.
- Be brief.
- Always pre-read your email before you send it. Be conscious of how others may interpret your email.
- Avoid attachments unless you are sure your recipients can open them.
- Avoid HTML in favor of plain text.
- Sign your message with your name.
- Think before you send the e-mail to more than one person. Does everyone really need to see your message?
- Be sure you REALLY want everyone to receive your response when you click, "reply all."
- Be sure that the message author intended for the information to be passed along before you click the "forward" button.

Message Board Netiquette and Guidelines

When posting on the Discussion Board in your online class, you should:

- Make posts that are on topic and within the scope of the course material.
- Take your posts seriously and review and edit your posts before sending.
- Be as brief as possible while still making a thorough comment.
- Always give proper credit when referencing or quoting another source.
- Be sure to read all messages in a thread before replying.
- Do not repeat someone else's post without adding something of your own to it.
- Avoid short, generic replies such as, "I agree." You should include why you agree or add to the previous point.
- Always be respectful of others' opinions even when they differ from your own.
- When you disagree with someone, you should express your differing opinion in a respectful, non-critical way.
- Do not make personal or insulting remarks.
- Be open-minded.

The instructor reserves the right to assign any and all classroom seating at any time.

Artificial Intelligence (AI) Policy

Philosophy: AI is a great tutor, editor, and sounding board, but it is not a replacement for original thought and practice. In this course, our goal is to develop your critical thinking and problem-solving skills. While Generative AI (like ChatGPT, Gemini, or specialized math solvers) can be powerful tools, they can also hinder your learning if used to bypass the "struggle" of doing math. In this class, AI should be used as a **tutor** to help you understand concepts, not as a tool to complete your work for you.

To ensure responsible use, we will follow a "Traffic Light" policy:

- 🟢 **GREEN: Allowed (Encouraged for Learning)**
  - Using AI to explain a mathematical concept you find confusing (e.g., "Explain binary number conversions using a real-world analogy").
  - Asking AI for additional practice problems similar to a specific homework exercise.
  - Brainstorming "big picture" applications of the math we are studying.
- 🟡 **YELLOW: Proceed with Caution (Must Disclose)**

  - Using AI to get a "hint" on a how to answer one or more project questions. If you do this, you must cite the tool used and explain what hint was provided. Yes use ai to explain and teach you the ideas in your assignment, no, do not use ai to give you the answers.
  - Verifying your final answer after you have already completed the work manually.
  - **Note:** AI is notoriously bad at math logic; it often "hallucinates" steps that look correct but are mathematically impossible.
- 🔴 **RED: Prohibited (Academic Dishonesty)**
  - **Copying and pasting AI-generated text or solutions as your own work.**
  - **Using any AI or electronic tool during an in-person exam or timed assessment. It is ok to use as a teaching/learning tool while learning on the practice exams, but not ok to use in any way during the actual exams.**
  - Using AI (or any solver like Photomath/WolframAlpha) to generate answers, step-by-step solutions for any graded assignment, projects, and exams.

Consequences & Academic Integrity Submitting AI-generated solutions as your own work is considered plagiarism. If I suspect that an assignment was completed by AI rather than your own hand, I reserve the right to initially assign a reduced score up to a 0 for the first offence and 0 for the entire assignment on future offences. I will offer up the opportunity to ask you to explain your work in a one-on-one meeting where you will be asked to explain your logic and reproduce original thoughts on the given problem(s) and or on new and similar problems of my choosing. Your regrade is left to the instructor to assign the replacement grade.

Attendance:

Attendance/participation is your responsibility. You are responsible for all deadlines. It is important that you regularly check Canvas and your email so you can stay current on all communications. If you begin to miss too many assignments, I will reach out to you to discuss your situation. If you miss:

- a week's worth of weekly assignments **OR**
- one exam without contacting your instructor prior to the exam deadline **OR**
- if you miss two or more of the chapter discussions,

you may be dropped from the class without notice from the instructor**.**

Student Resources:

Folsom Lake College is proud to be able to support its students both inside the classroom and outside. If you would like to learn more about the services available to all enrolled students please visit:
https://flc.losrios.edu/student-resources
Some of the programs offered are:

- **Math Center: LTAT 30 & LTAT 31** are a 0.5 unit course aimed at helping math students to become more prepared and aware learners. Ask your math instructor if there are any classroom policies for students taking this course.
- **Science Center: INDIS 314/315,** is a 0.5 unit course aimed at helping students in the sciences to become more prepared and aware learners. Ask your science instructor if there are any classroom policies for students taking this/these course(s).
- **Tutoring Center: At FLC the tutoring center is in Room FL2 246 with locations at EDC and RCC.** The tutoring center offers, drop in and scheduled online options to meet with tutors to receive help with content related skills. There are a variety of formats to take advantage of in a wide range of subjects in math and the sciences.
- **Make a Tutoring Appointment:** Online tutoring is available for all FLC courses through the tutoring center. To access online tutoring, simply open the Canvas page for any of your courses and select the *NetTutor* link on the left side of the page.
- **Reading and Writing Center: Room FL2 239.** Offers students help with reading and writing skills for most subjects requiring reading and writing skills. Drop in available and space to work individually and with groups.
- **DSPS**: Disable Students Programs and Services. Available to students with physical, emotional and learning disabilities.
- **Counseling:** Provides academic, career, transfer, and personal counseling to all FLC students.
- **Financial Aid:** Provides resources to help you pay for college, including grants, loans, and scholarships.
- **Bookstore:** Find and purchase required/recommended/desired course materials.
- **CalWORKs:** California Work Opportunity and Responsibility to Kids. is a statewide public assistance program that provides cash aid and services to eligible families that have a child or children in the home.
- **Career and Transfer Center:** The Career & Transfer Center (CTC) is an on-campus resource designed to support students in the areas of choosing a major, career exploration, career counseling, job preparation, and transfer preparation and planning.
- **EOPS, CARE, NextUp:** Programs designed to extend the opportunity of attending higher education to those from educationally and economically disadvantaged backgrounds.

- **First Year Success Programs:** Programs designed to provide a welcoming, supportive, and enjoyable college experience to students during their first year in college.
- **Health and Wellness Center:** Addresses all aspects of wellness: mind, body, spirit, environment, intellectual, vocational/occupational, and social.
- **Veterans Success Center (VSC):** Provides assistance to Veterans and dependents who may be eligible for various VA educational benefits, as well as assisting with the onboarding process and transition to college.
- **Work Experience and Internship Program:** Programs that allows students to gain marketable skills and knowledge while earning college credit.

Academic Integrity:

Please refer to the FLC Academic Code of Conduct in the college catalog if there are any ambiguities for what is expected from your academic integrity. Cheating may be punished swiftly and severely. Please look up and make clear to yourself what is considered to be plagiarism. If you are caught cheating on an exam or suspected with reasonable proof of producing/attempting to produce work that is not your own, you may receive a zero on the exam/assignment and not be allowed to replace your score or take any kind of makeup. Further, you may not be allowed to submit any extra credit work. I may complete paperwork to ensure that there is a record of your dishonesty.

D.S.P.S Students:

If you qualify for D.S.P.S. **it is your responsibility to comply with their practices**. It is your responsibility to coordinate exam and quiz dates. You may not schedule exam and quiz dates any day after the regular exam/quiz date unless it is due to D.S.P.S. scheduling conflicts. Any conflict in your schedule is an unacceptable excuse to push back exam/quiz dates.

Helpful Tips:

Mathematics has a language of its own. Unless you quickly become adept at speaking that language, you will be lost during lecture. Please utilize my office hours or make an appointment with me to meet when you need help. Other help is available in the open **Math Lab in Cypress Hall (FL2) in room 246.** Private tutors can be available for hire, if you would like help finding a private tutor let me know and I will try to help you to find one. I highly recommend that you find a study partner and/or group, and make every effort to stay current in the class.

My extremely important expectations of you:

1. Watch ALL of the videos posted.
2. Setup and commit to a study schedule.
3. Show your work to every exercise on quizzes and tests.
4. If you get stuck on homework do not spend more than 10 minutes. Seek help right away.
5. The first place to get help with homework is the homework questions discussion. Post there.
6. Stick to your study schedule. If your work/life schedule changes, revise your study schedule
7. Refer to the course calendar due dates by clicking on “syllabus” in the left hand navigation menu and scrolling down through the assignments and their due dates.

What I know you already know, but thought you could say you didn’t know:

You are responsible for the information in this syllabus as well as any changes or additions announced in class (whether or not you are there to hear them). This syllabus is our mutual agreement of the expectations between the student and the instructor.

The Fine Print: The Instructor reserves the right to change any of the above policies after verbal/written notice in class.

FINAL EXAM SCHEDULE: The last day of regularly scheduled classes is on the Thursday prior to finals week.