


F O L S O M L A K E C O L L E G E
 EL DORADO CENTER ♦ RANCHO CORDOVA CENTER

Math 310 Spring 2020 Syllabus

This is a CS/UC transferable course.

Course # **20294**

MW 10:30 a.m.- 11:50 a.m.

FLC Dogwood Hall (FL4) 137

Instructor: Marc Olsen
Office: Aspen (FL1) 148

☆**Email:** olsenm@flc.losrios.edu
Website: marcolsen.weebly.com

Office Phone: 916-608-6759
Cell Phone: 916-850-0352

Office Hours: The daytime office hours start in classroom then are moved to my office

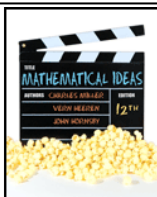
MW night office hours are at RCC 1-142,143,or 212

| Monday | Wednesday | Friday |
|---------------|---------------|---------------|
| 11:50-1:05 pm | 11:50-1:05 pm | |
| | | 12:05-12:55pm |
| 8:20-8:50 pm | 8:20-8:50 pm | |

When contacting me by phone, text, or email, please be sure to include: your full name, the title of the class and the start time of the class: **EXAMPLE: Isaac Brock, Math 310, MW 10:30am**

I will do my best to get back to you as soon as I can during the regular business week, and I do not necessarily check for student communication after 5 pm weekdays, on Thursdays, or weekends. If you come by to see me in my office (even at non-office hour times), please knock as I may be in my office even when my door is closed.

Required Text:



Mathematical Ideas Miller, Heeren, Hornsby, 12th edition, Published by Pearson
 ISBN-10: 0-321-69381-7

You can find copies of this book online for under 20\$, bookstore sells it for over 60\$

Please no cell phones are to be turned on or used in class unless it is at the direct request of the instructor. I may ask any student who *appears* to have a cell phone turned on without express permission, to leave class if I deem it to be a disruption. No ear phones are to be used at any time as it is a disruption. See also the section on classroom expectations.

Prerequisites:

Successful completion of MATH 110 with a grade of "C" or better AND, successful completion of MATH 120 with a grade of "C" or better (or the high school equivalent), AND/OR placement into this course via the assessment process at any Los Rios community college. 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.

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

| | | | | |
|-------------------|------------|---------------|---------------|----------|
| Assignments | 50% | 50 pts | 90-100% | A |
| Exams | 35% | 35 pts | 80-89% | B |
| <u>Final Exam</u> | <u>15%</u> | <u>15 pts</u> | 70-79% | C |
| | 100% | 100 pts | <u>60-69%</u> | <u>D</u> |
| | | | less than 60% | F |

There is an Optional Exam Replacement: Should you earn an average of 70% or better in the assignments category, take each exam and final exam, AND have good attendance (>4 absences), then you may use your final exam percent to replace your lowest exam score.

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 Math 299 (availability is limited to first come first served) will earn 1.75% to their overall grade percent at the end of the semester. To enroll, please go to the Math Center in FL2 234 to get a permission number. Student who enroll after week 4 and complete the course will earn 1%.**

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.

Participation:

You are expected to be in class each meeting time on time, prepared for the lesson. You are encouraged to be an active learner/participant in class and to pre-read the notes and the book section. Your questions and participation in class discussions are kindly encouraged. If you are a shy student you may earn participation by use of office hours, outside tutoring from a private tutor or at the campus math lab, or in group study sessions with 3 or more of your fellow classmates. Your participation grade is designed to account for your effort in class and is broken down as follows:

Homework:

Your homework grade will fall under the assignments category and it will be based on your Book Homework assignments which will be given during the semester. **Homework will be due every Monday at the beginning of class.** It will cover all material presented from the last Monday and Wednesday of the previous week.

All even problem will be eligible for grading specifically for correctness, and your ability to communicate your logical thought through your presented solutions. All Odd problems will be graded for neatness, completeness, and your ability to follow the directions.

Successful completion of all assigned problems and following submission requirements means:

- All work must be completed in pencil.
- You must copy the directions and problem down on your work, you may paraphrase and shorten but it must be self evident (by my estimation) where the problem came from, what the problem is, and what you are asked to do.
- **All Even Homework problems** will be completed & submitted together on their own joint piece(s) of paper and will be completed in ascending (small numbers leading to larger numbers) order. This/these page(s) will be attached to the top of your homework. Each problem will be labeled with its chapter number, section number, and problem number. (ex: 2.4.57 means chapter 2, section 4, problem 57)
- **All Odd Homework problems** will be on its own pages.
- The start of each new section of odd Homework problems will start on the front of its own new piece of paper.
- Your name, class, section number, and assigned problems will be listed at the top of the front of EACH page.
- You must secure (staple or binder clips are ok, but paper clips are not) all sections in order in the upper left corner of the pages you are submitting.
- You must have attempted each assigned problem.

Failure to successfully complete all assigned problems and following submission requirements will result in a 10% deduction in points for each instance.

Late (meaning not submitted in the first 5 minutes of class) 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 start of class.

Exams:

There will be 2 exams each given equal weight given throughout the semester. There is a 3rd assignment in this category which will be titled "Optional Exam Replacement". You will initially be given a zero on this, until after the final exam. If you have qualified for the "Optional Exam Replacement", your score on this will reflect the percentage you have earned on the Final Exam. If you do not earn this replacement, this score will remain a 0. Then your lowest exam score will be dropped, making your exam category percentage the average of your best 2 out of 3 scores.

Rules for the exams.

- No cell phones, tablets, computers or other electronic devices other than use of a device that functions specifically as a calculator will be allowed to be present on your person or visible from your desk.
- No communicating in any form with any person or thing (except the instructor, questions are ok if addressed in person to me). When you are taking an exam, it is your responsibility to cover your work so that no one else can see what you are doing. Keep your eyes on your own paper and notify me if you suspect others eyes are on your work, or if you simply prefer to have your seating reassigned. I can arrange for you or the other student to have your seating rearranged. It must be abundantly clear to me at all times that you are working alone. If these conditions are not met, I may remove your exam at that moment, and your exam will be over (this includes the person who's paper is being viewed). You may then be given a 0 on the exam.
- Notes may be used per requirements specified by the instructor in class and are subject to inspection & removal if the instructor finds them to breach the specified requirements.
- Pencil only on exams.
- You may only use scratch paper provided by the instructor on the exam. All work must be placed on the exam (not left of scratch paper, scratch paper will not be accepted with the exam but will remain separate and will be recycled at the conclusion of the exam).
- Solutions presented without logical supporting work may be either not accepted or may receive largely reduced points (situation depending and left to instructor discretion).
- **Coming late to an exam may result in an immediate 5% reduction to your grade at the instructor's discretion.**
- If you are going to miss an exam contact me with as much prior notice as possible so we can discuss your situation.
- There will be no make-up exams, under extreme situations an exception may be made prior to the exam at the instructor's discretion.
- Maximum score on any exam is capped at 102%.

Final Exam:

The final exam **will be cumulative** and will occur

| | |
|----|--|
| MW | The final exam will be held on Wednesday, May 20th from 11:00AM – 12:50 AM in our regular room.* |
|----|--|

the last day of class regular classes schedules will be on the Thursday before finals week.

Classroom Expectations:

My goal is to create a safe, respectful environment 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. In order to accomplish this some rules must be strictly adhered to:

- Rude and disruptive behavior will not be tolerated. You are adults, and will be treated as adults. You will therefore be expected to behave with politeness and respectfulness to yourself, to your classmates, and to the classroom atmosphere.
 - People who make comments on others questions, holding side conversations, even non-verbal responses like eye rolling, laughing, or sighing, contribute to the perception of diminishment of respect for others. This behavior is disruptive to a safe classroom atmosphere and will not be tolerated.
- Cellphones, tablets, computers, and all other electronic devices should be placed on vibrate or silent at the start of and for the duration of class time. Utilizing or misuse of these devices as well as other behavior that is disengaged from the classroom discussion/activity can be disruptive to others, even if you do not find it disruptive to yourself. Your behavior must be judged upon its effects on others as well as on yourself. **If you are behaving in a manner that**

inhibits me from teaching or your or anyone around you from learning, this is disruptive behavior; disruptive behavior will not be tolerated.

- You are expected to adhere to FLC's Students Rights and Responsibilities policies in the FLC course catalog. If you must enter or leave the classroom at any time during class, please do so without disrupting the rest of the class.
- **Students contributing to disruptive behavior may be asked to leave the classroom for the day and or the next class day as well, their work that day and or the next as well, will not be accepted and/or will be unaccepted, and the entire day(s) will be counted as an absence. Make-up assignments will not be accepted, this includes exams, projects, HW, and all other assignments due on the day(s) of their imposed removal. Additionally, you may be referred to the Office of the Vice President of Student Services and/or Instruction, their office may contact you if further inquiry is desired.**

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

Attendance:

Attendance is your responsibility. **If you miss any classes during the first two weeks of school you may be immediately dropped from the class at the instructor's discretion.**

Any tests or assignments missed due to absence is inexcusable unless you have been **given approval by the instructor prior to the start of class**. In the event that you are absent, you are responsible for any missed material and should consult with your classmates to get caught up on what was missed. In the case of an absence you should contact me immediately and prior to the start of class. **You will not be allowed to make up or turn in late work without approval of the instructor prior to the date due.** Please do not ask the instructor after the start of class or after a class has been missed, what was missed or for assignments or copies of assignments. You should acquire everything through your classmates.

If you know an absence is coming in the future, please do coordinate with the instructor prior to your absence to insure you are aware of the class materials you will be missing and to coordinate getting these missing materials from the instructor in advance and making arrangements to submit them per the instructor agreed upon timing.

Truancy is hereby defined as not being in class for the entire duration of our class meeting; this means coming late, leaving in the middle for excessive times or lengths and returning, or leaving early from the regularly scheduled class times makes a person truant. Any truancy will be counted as ½ an absence and any work turned in or due that day may not be accepted, graded, or considered at the instructor's discretion. Missing an entire class period counts as 1 full absence.

It is the responsibility of the student, and not the instructor, to process a class drop either online or in person. However **I may drop any student if their absences are excessive (FLC defines excessive absences to be 6% of the scheduled 54 hours of class meetings which is approximately 3.25 hours or 2.5 class sessions for this class when it meets 2 days a week).**

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: Math 299**, is 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: Room FL2 246 and locations at EDC and RCC.** The tutoring center offers, drop in and scheduled times 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.
- **Online Tutoring:** Online tutoring is available for all FLC courses. 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.

Tips for Success:

- 1) Study!! Studies show that more often for less amounts of time is more effective at maximizing retention and time efficiency. Study in groups, with friends, strangers, or anyone willing to explain things to you. Study in the FLC Tutor Center in FL2-236 where tutors are available to help you on a first come first served basis. Set up a tent and make residence in there.
- 2) Utilize in Office hours, or just come in to say hi and ask a question.
- 3) Make sure you understand each homework assignment and can reasonably follow the class discussions. There truly is no such thing as a stupid question and in math the only thing that can make you look stupid is not asking your questions. Chances are you will look smart and odds are if you don't know, there are others who also do not.
- 4) **Study for the tests, quizzes and the final** by reading through your **class notes, reworking HW problems, do extra problems, and fill in gaps in your understanding.** **Look over the examples completed in class, review any of the hints the instructor may have given during lessons** about "classic problems," problems "I really like" etc. Re-work some of the more difficult, challenging, or test like problems. **Look over previous exams, some questions may show up again.** Study Every Day! Do not confuse HW time with study time. They are not the same!
- 5) Read and review before and immediately after class. This should take about 20 min or less.
- 6) Most importantly, **KEEP A POSITIVE OUTLOOK!** Each day is a new chance to feel like you are capable, that you can understand math, and that you WILL succeed.

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: All regularly scheduled classes end on the Thursday prior to finals week.

| CLASS START TIME | CLASS MEETING DAYS | DATE OF EXAM | TIME OF EXAM |
|---------------------|--------------------------|-------------------|----------------------|
| 7:00 to 8:00 am | M-only | Monday, May 18 | 7:00 to 8:50 am |
| 7:00 to 8:00 am | T-only | Tuesday, May 19 | 7:00 to 8:50 am |
| 7:00 to 8:00 am | W-only or MW | Wednesday, May 20 | 7:00 to 8:50 am |
| 7:00 to 8:00 am | Th-only, TTh, or MTWTh | Thursday, May 14 | 7:00 to 8:50 am |
| 7:00 to 8:00 am | F-only or MWF | Friday, May 15 | 7:00 to 8:50 am |
| 8:05 to 9:30 am | M-only or MW | Monday, May 18 | 9:00 to 10:50 am |
| 8:05 to 9:30 am | T-only, TTh, or MTWTh | Tuesday, May 19 | 9:00 to 10:50 am |
| 8:05 to 9:30 am | W-only | Wednesday, May 20 | 9:00 to 10:50 am |
| 8:05 to 9:30 am | Th-only | Thursday, May 14 | 9:00 to 10:50 am |
| 8:05 to 9:30 am | F-only, WF, TThF, or MWF | Friday, May 15 | 9:00 to 10:50 am |
| 9:35 to 11:30 am | M-only | Monday, May 18 | 11:00 am to 12:50 pm |
| 9:35 to 11:30 am | T-only or MTWTh | Tuesday, May 19 | 11:00 am to 12:50 pm |
| 9:35 to 11:30 am | W-only or MW | Wednesday, May 20 | 11:00 am to 12:50 pm |
| 9:35 to 11:30 am | Th-only or TTh | Thursday, May 14 | 11:00 am to 12:50 pm |
| 9:35 to 11:30 am | F-only, WF, or MWF | Friday, May 15 | 11:00 am to 12:50 pm |
| 11:35 am to 1:45 pm | M-only or MW | Monday, May 18 | 1:00 to 2:50 pm |
| 11:35 am to 1:45 pm | T-only or TTh | Tuesday, May 19 | 1:00 to 2:50 pm |
| 11:35 am to 1:45 pm | W-only | Wednesday, May 20 | 1:00 to 2:50 pm |
| 11:35 am to 1:45 pm | Th-only | Thursday, May 14 | 1:00 to 2:50 pm |
| 11:35 am to 1:45 pm | F-only, MWF, or MTWThF | Friday, May 15 | 1:00 to 2:50 pm |
| 1:50 to 3:55 pm | M-only or MW | Monday, May 18 | 3:00 to 4:50 pm |
| 1:50 to 3:55 pm | T-only or MTWTh | Tuesday, May 19 | 3:00 to 4:50 pm |
| 1:50 to 3:55 pm | W-only | Wednesday, May 20 | 3:00 to 4:50 pm |
| 1:50 to 3:55 pm | Th-only or TTh | Thursday, May 14 | 3:00 to 4:50 pm |
| 1:50 to 3:55 pm | F-only or MWF | Friday, May 15 | 3:00 to 4:50 pm |
| 4:00 to 4:15 pm | M-only or MW | Monday, May 18 | 4:00 to 5:50 pm |
| 4:00 to 4:15 pm | T-only or TTh | Tuesday, May 19 | 4:00 to 5:50 pm |
| 4:00 to 4:15 pm | W-only | Wednesday, May 20 | 4:00 to 5:50 pm |
| 4:00 to 4:15 pm | Th-only | Thursday, May 14 | 4:00 to 5:50 pm |
| 4:00 to 4:15 pm | F-only or MWF | Friday, May 15 | 4:00 to 5:50 pm |
| 4:20 to 6:00 pm | M-only or MW | Monday, May 18 | 6:00 to 7:50 pm |
| 4:20 to 6:00 pm | T-only or TTh | Tuesday, May 19 | 6:00 to 7:50 pm |
| 4:20 to 6:00 pm | W-only | Wednesday, May 20 | 6:00 to 7:50 pm |
| 4:20 to 6:00 pm | Th-only | Thursday, May 14 | 6:00 to 7:50 pm |
| 4:20 to 6:00 pm | F-only or TThF | Friday, May 15 | 6:00 to 7:50 pm |
| 6:05 to 9:00 pm | M-only or MW | Monday, May 18 | 8:00 to 9:50 pm |
| 6:05 to 9:00 pm | T-only or TTh | Tuesday, May 19 | 8:00 to 9:50 pm |
| 6:05 to 9:00 pm | W-only | Wednesday, May 20 | 8:00 to 9:50 pm |
| 6:05 to 9:00 pm | Th-only | Thursday, May 14 | 8:00 to 9:50 pm |
| 6:05 to 9:00 pm | F-only or MWF | Friday, May 15 | 8:00 to 9:50 pm |