


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

Math 400 Fall 2022 Syllabus

This is a CS/UC transferable course.

Course # **14918(MW)15033(TTH)** **MW&TTH** 8:00 a.m.- 10:20a.m. **FL1-204(MW)&FL4-133(TTH)**

Instructor: Marc Olsen
Office: Aspen (FL1) 148

Email: email me through Canvas
Website: marcolsen.weebly.com

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

Office Hours: office hours are held in my office

Monday	Tuesday	Wednesday	Thursday
10:45-11:45 am	Math S 80 class hrs.	10:45-11:45 am	Virtual by e-mail
	10:30-11:30	Math S 80 Zoom	10:45-11:45 am
		12-1pm	

Or by appointment

When contacting me by phone, text, or canvas email (this is my preferred contact method), please be sure to include: your full name, the title of the class and the start time of the class: **EXAMPLE: Isaac Brock, Math 400, MW 8:50am**

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 Fridays, 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.

Prerequisites:

Successful completion of MATH 370 with a grade of "C" or better, or show proof of placement into Math 400 via the assessment process at any Los Rios community college, or having passed the AP Calculus Exam A with a score of 4 or 5. All prerequisites must be cleared through the Dean's office or through the office of admissions prior to attempting to enroll. Getting a permission number from me does not allow you to enroll without having shown proof of having the prereqs.

Student Learning Outcomes and Objectives:

Upon completion of this course, the student will be able to:

- calculate limits and derivatives of algebraic and transcendental functions using a variety of techniques.
- graph algebraic and transcendental functions using information from limits and derivatives.
- solve applied problems (including related rates and optimization problems) using derivatives.
- apply the Fundamental Theorem of Calculus and appropriate substitution techniques to evaluate integrals.
- prove calculus theorems related to limits and derivatives.

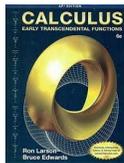
Required Materials:

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 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.



Required Text:

Calculus Early Transcendental Functions Larson, Hostetler, Edwards, 6th edition,
Published by Houghton Mifflin **ISBN-10:** 1-285-77477-9

Optional Text: Student Solutions Manual (you can also use calchat.com)

Calculators are a necessary tool for this class but graphing calculators are not necessary.

Classroom Safety

As a student opting to participate in our on-ground learning community, you are required to follow the [Student Standards of Conduct](#) which includes specific Public Health protocols. As a community of faculty and students we are required to follow all vaccination requirements (being fully vaccinated is a requirement for all unless you have been granted a vaccine exemption from Los Rios) and mask requirements when entering our shared classroom space. When mask mandates are in effect, anyone from our learning community not wearing a mask will be offered one. If anyone refuses to wear a mask, they will not be allowed inside our shared learning space. Masks must be worn properly to work:

- Choose a mask with two or more layers that completely covers your mouth and nose and fits snugly against the sides of your face, leaving no gaps.
- Choose a mask with a nose wire to prevent air from leaking out of the top of the mask.
- Do NOT choose masks that have exhalation valves or vents which allow virus particles to escape.
- Do not pull the mask low on your nose, below your nose, below your mouth, or below your chin.
- Do not wear the mask in any way that does not entirely cover your mouth and nose.

If you have symptoms, stay HOME. Contact me as soon as possible. Rest assured, I will make every effort to plan around your circumstances and do our best to minimize workflow interruption. This requires that we are in regular communication, and that you respond to requests promptly.

For more information about local vaccine availability, including a list of frequently asked questions, please visit losrios.edu/vaccine

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.*

Participation	1%	1 pts	90-100%	A
Homework	10%	10 pts	80-89%	B
Quizzes	19%	19pts	70-79%	C
Exams	50%	50 pts	60-69%	D
Final Exam	20%	20 pts	less than 60%	F
Extra Credit: Pass MathS 80	2%	2 pts		
	100%	100 pts (+2pts EC)		

Your grade in each category = $\frac{\text{Your Points}}{\text{Total Points}} \cdot (\text{percent dedicated to that category})$

Your grade is then a sum of the points in all the categories and can be calculated by you.

Extra credit may be given during the semester at the instructor's discretion and is not graded until the end of the semester.

Extra Credit:

- Any student who passes the 1 unit Calculus I support class MathS 80 will earn 2% extra credit to be added to your overall grade. To sign up, go to eservices and add the course MathS 80 (note this is listed in “math support” courses’)
- If you take and pass the Math Center course LTAT 30, a math centered study skills course, I will add 5 points into your exam category which will effectively increase one exam by 5%.

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:

- 30% of the full participation points: Perfect attendance for the entire semester.
- 70% of the full participation points: **Active participation in class discussions, attending office hours, receiving outside tutoring, or forming study groups of 3 or more people. Participation grades will not be calculated until the end of the semester.**
Evaluation of this is left up to the instructor; however it is your obligation to inform the instructor in writing immediately following of any outside tutoring or study groups if you partake in these types of participation.

Homework:

Your homework grade is based on your Book Homework assignments:

- 1) Book HW Assignments, all sections that we complete from the time of the last exam to the current exam are expected to be handed in at the beginning of every exam in a designated HOMEWORK BINDER. Successful completion of all assigned problems means:
 - All Homework will be collected at the beginning of class on Exam days and **will be graded for neatness and completeness only.**
 - You must secure all sections in order and place them in a designated HW Binder with your HW cover sheet at the front with your name on it.
 - You have attempted each assigned problem.
 - You must print your name, class and meeting times on the upper right corner of your assignments along with the section number and **list of all assigned problems.**
 - You must staple any individual section which has multiple pages in it.
 - You must begin each new section on a new sheet of paper. Failure to do any of these will result in a loss of points.
 - The HW Binder must be very neatly organized
 - At any time during class, you may be asked to take out your homework and use it to complete a HW quiz based upon problems from sections which have already been discussed in class. The point of these quizzes would be to check that students are remaining current on their HW assignments (not waiting until the exams to do HW).

Late HW and Make ups may not be allowed on the Weekly HW or Exam HW assignments subject to instructor discretion.

Quizzes:

We have 4 Take Home Quizzes scheduled for the semester, each one worth equal weight. We may have pop quizzes worth a lesser amount should the instructor choose to do so.

Exams:

There will be 4 exams all given equal weight given throughout the semester. There is a 5th 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 4 out of 5 scores.

No notes, calculators, electronic devices, or use of any materials or communication with other people will be allowed unless an exception has been made by the instructor. At no time shall students be allowed to use any other electronic devices, books, aides, or device that allows communication, or viewing/listening to information of any kind. Failure to follow this rule may result in a zero or reduced score on the exam and/or may result in disqualification from the exam replacement privilege all at the instructor's sole 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.

There is an Optional Exam Replacement:

If you earn a **70% or better on each of the 4 Homework assignments, pass every quiz with a minimum of 50%, AND take each of the 4 exams**, then you may use your final exam percent to replace your "optional exam replacement" exam score with your final exam percentage up to a maximum value of 80%. At the end of the semester your exam grades will be the average of your best 4 exam scores.

Final Exam:

The final exam will be cumulative and will occur

MW	The final exam will be held on Wednesday, Dec 14th from 7:00AM – 8:50 AM in our regular room.*
TH	The final exam will be held on Thursday, Dec 15th from 7:00AM – 8:50 AM in our regular room.*

the last day of class regular classes schedules will be on the Thursday before finals week. There is a chance the final will be held on our last day of instruction in order to take advantage of the longer testing time; if such a change occurs this be announced in class in advance.

Classroom Expectations:

You should act accordingly to being in an institution of higher learning. You are expected to behave in a courteous manner both toward your classmates and instructor. 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. Many behaviors such as use of phones, tablets, computers, earphones, among others actions not only limited to these, may not seem to the individual to be disruptive, but may easily be disruptive to the instructor and to other students around the user. Please be conscience of how your actions affect others, and maintaining a distraction free learning environment is important. **If you are behaving in a manner that inhibits me from teaching or anyone around you from learning, you may be asked to leave at the discretion of the instructor.**

If you are asked to leave, at the instructor's discretion:

- it will be for the remainder of the class period and for the next class session unless otherwise explained by the instructor.
- you will not be able to make up any missed work or work that is due or assigned on days you were asked to leave.
- both days will count as absences and the incident may be reported to the Disciplinary Authority at FLC.

It is your responsibility to save all of your returned work and exams. This is your only record of the work you have completed.

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.

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.** 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. 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 $\frac{1}{2}$ 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. Coming late to an exam may result in an immediate loss of 5% of that exam grade. **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 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.** 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 90 hours of class meetings which is approximately 4 class sessions for classes that meet 3 days a week or 2 $\frac{1}{2}$ classes for courses that meet 2 days a week).**

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. If you are caught cheating on an exam, you may receive a zero on the exam 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!! As Euclid of Alexandria is credited with saying, "There is no royal road to learning mathematics", meaning if you want to learn it you're going to have to study it like everyone else did.
- 2) 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.
- 3) Study in Office hours, or just come in to say hi and ask a question.
- 4) 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.
- 5) **Study for the tests, quizzes and the final** by reading through your **class notes**. **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!** Even if you only read one section and did not understand it, or if you only study for 30 minutes, it is still much more than never studying for that day.
- 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.



Fall 2022 Final Exam Schedule

The final day of regular instruction for the semester is **Thursday, December 8**. For classes that are a combination lecture and lab, the final exam schedule is based on the time of the lecture.

Class start time:	Class meeting days:	Date of exam:	Time of exam:
7:00 am - 8:00 am	M-only	Monday, December 12	7:00 am - 8:50 am
7:00 am - 8:00 am	T-only	Tuesday, December 13	7:00 am - 8:50 am
7:00 am - 8:00 am	W-only or MW	Wednesday, December 14	7:00 am - 8:50 am
7:00 am - 8:00 am	Th-only or TTh	Thursday, December 15	7:00 am - 8:50 am
7:00 am - 8:00 am	F-only, MWF	Friday, December 09	7:00 am - 8:50 am
8:05 am - 9:30 am	M-only or MW	Monday, December 12	9:00 am - 10:50 am
8:05 am - 9:30 am	T-only, TTh, or MTWTh	Tuesday, December 13	9:00 am - 10:50 am
8:05 am - 9:30 am	W-only	Wednesday, December 14	9:00 am - 10:50 am
8:05 am - 9:30 am	Th-only	Thursday, December 15	9:00 am - 10:50 am
8:05 am - 9:30 am	F-only, WF, TThF, or MWF	Friday, December 09	9:00 am - 10:50 am
9:35 am - 11:30 am	M-only or MTWTh	Monday, December 12	11:00 am - 12:50 pm
9:35 am - 11:30 am	T-only	Tuesday, December 13	11:00 am - 12:50 pm
9:35 am - 11:30 am	W-only or MW	Wednesday, December 14	11:00 am - 12:50 pm
9:35 am - 11:30 am	Th-only or TTh	Thursday, December 15	11:00 am - 12:50 pm
9:35 am - 11:30 am	F-only or MWF	Friday, December 09	11:00 am - 12:50 pm
11:35 am - 1:45 pm	M-only, MW, or MTWTh	Monday, December 12	1:00 pm - 2:50 pm
11:35 am - 1:45 pm	T-only, TTh or TWTh	Tuesday, December 13	1:00 pm - 2:50 pm
11:35 am - 1:45 pm	W-only	Wednesday, December 14	1:00 pm - 2:50 pm
11:35 am - 1:45 pm	Th-only	Thursday, December 15	1:00 pm - 2:50 pm
11:35 am - 1:45 pm	F-only, MWF, or MTWThF	Friday, December 09	1:00 pm - 2:50 pm
1:50 pm - 3:55 pm	M-only, MW, or MTWTh	Monday, December 12	3:00 pm - 4:50 pm
1:50 pm - 3:55 pm	T-only	Tuesday, December 13	3:00 pm - 4:50 pm
1:50 pm - 3:55 pm	W-only	Wednesday, December 14	3:00 pm - 4:50 pm
1:50 pm - 3:55 pm	Th-only or TTh	Thursday, December 15	3:00 pm - 4:50 pm
1:50 pm - 3:55 pm	F-only, MWF, or MTWThF	Friday, December 09	3:00 pm - 4:50 pm
4:00 pm - 4:15 pm	M-only, MW or MTWTh	Monday, December 12	4:00 pm - 5:50 pm
4:00 pm - 4:15 pm	T-only or TTh	Tuesday, December 13	4:00 pm - 5:50 pm
4:00 pm - 4:15 pm	W-only	Wednesday, December 14	4:00 pm - 5:50 pm
4:00 pm - 4:15 pm	Th-only	Thursday, December 15	4:00 pm - 5:50 pm
4:00 pm - 4:15 pm	F-only, MWF or MTWThF	Friday, December 09	4:00 pm - 5:50 pm
4:20 pm - 6:00 pm	M-only or MW	Monday, December 12	6:00 pm - 7:50 pm
4:20 pm - 6:00 pm	T-only or TTh	Tuesday, December 13	6:00 pm - 7:50 pm
4:20 pm - 6:00 pm	W-only	Wednesday, December 14	6:00 pm - 7:50 pm
4:20 pm - 6:00 pm	Th-only	Thursday, December 15	6:00 pm - 7:50 pm
4:20 pm - 6:00 pm	F-only or MWF	Friday, December 09	6:00 pm - 7:50 pm
6:05 pm - 9:00 pm	M-only	Monday, December 12	8:00 pm - 9:50 pm
6:05 pm - 9:00 pm	T-only or TTh	Tuesday, December 13	8:00 pm - 9:50 pm
6:05 pm - 9:00 pm	W-only or MW	Wednesday, December 14	8:00 pm - 9:50 pm
6:05 pm - 9:00 pm	Th-only	Thursday, December 15	8:00 pm - 9:50 pm
6:05 pm - 9:00 pm	F-only, ThF or MWF	Friday, December 09	8:00 pm - 9:50 pm
The last day of regular instruction is Thursday, December 8. Finals start on Friday, December 9.			
Full-term Saturday-only classes meet at normal time for 2 hours on Saturday, December 10.			
Finals for first 8-week session and second 8-week session classes are held on the last day of class for each session.			