


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

MathS 80 Spring 2020 Syllabus

This Course is not CS/UC transferable

Course # 20191

F 11:00 am- 12:05 pm

FLC Dogwood Hall (FL4) 137

Instructor: Prof. M. Olsen

Email: olsenm@flc.losrios.edu

Office Phone: 916-608-6759

FLC Office: Aspen (FL1) 148

☆ **Website:** marcolsen.weebly.com

Cell Phone: 916-850-0352

RCC Office: RCC 1-142,143, or in our classroom

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

MW night office hours are at RCC 142, 143, or in classroom

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: Henry Rollins, Math 80, F 11-12

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.

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: None

Corequisite: Current enrollment in Math 400

Required Text: None

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, continuity, and derivatives.
- solve problems using derivatives including equations of tangent lines, related rates applications and optimization application problems.
- apply both the limit process and the Fundamental Theorem of Calculus to evaluate area related problems and utilize the appropriate substitution techniques to evaluate integrals.

Grading:

The approximate Grading breakdown is as shown below. *The instructor reserves right to adjust this scale or scheme when deemed appropriate.*

Participation	50 pts	70-100%	Pass
Notebook	10 pts	less than 70%	No Pass (NP)
Teaching Presentation 1	10 pts		
Teaching Presentation 2	10 pts		
<u>Class Assignments</u>	<u>20 pts</u>		
Total:	100% 100 pts		

Participation:

You are given 50 points on the first day of class. You may not earn more points than these, but you may lose them if you are non-participatory or fall into the below categories.

You are expected to be in class each meeting time on time, prepared for the lesson. You are expected to be self-motivated and to always be working on our course material or your regular calculus course material. You must always first complete our in class material before moving on to other course related material. Course material includes our in class assignments, your calc 400 HW, or reading related directly to your presentations or exams.

Each time you come late and/or leave early you will forfeit five participation points.

Each time you are spoken to about staying on task during class you will lose five participation points (this includes use of cell phones when individual usage has not been discussed with instructor each time it is being used).

You may be absent for one class, and this will result in a loss of 10 participation points.

Upon your second absence, you can be dropped from the course as it exceeds the college mandated tolerance of minimum classroom hours of attendance (not more than 6% of the 18 contact hours may be missed).

You are encouraged to be an active learner/participant in class. This means you will be involved in in-class discussions, work, and assignments. It is your responsibility to remain focused and on task.

Notebook:

You must keep and maintain a neat and partitioned class notebook for your Math 400 class. It should be partitioned into at least 5 parts. All **section dividers** *must be* easily seen and **labeled**.

- 1) **Class Notes:** This section should include all your math 400 notes and may include any in class handouts.
- 2) **Homework:** This section includes all current homework for the coming exam cycle and current lectures.
- 3) **Completed/Returned Work:** This should include all returned exams, quizzes, and old homework for your Math 400 class.
- 4) **Class Info:** This includes all your Math 400 course documents, syllabus, calendar, etc.
- 5) **Maths 80:** This should include all documents, syllabus, handouts, assignments, everything from this class.

Your Notebook should have a supply of clean lined or gridded paper at all times.

Your class notes should be dated for each class day, clearly show the section for which were discussed, and show when the class notes are deviating from the material presented in the text book vs. only in the lecture.

I will check your notebook without warning. Your grade on these binder checks are based upon the neatness, orderliness, completeness, and usefulness which are subject to the instructor's discretion. If you have any questions about what sort of grade you might get on a notebook check, please ask me on any day other than the day I am checking notebooks and I will be happy to make any recommendations to help you maximize your notebook points.

I encourage you to personalize your notebook and to develop your own system of keeping it fun, useful, legible, dated, esthetic, and any other attributes you deem useful.

You may gain or lose points at any of the random notebook checks. Points will not be given unless significant improvements in the content, orderliness, and usefulness has occurred since that last check. Any drop in the quality of your notebook will result in a loss of points.

Teaching Presentations:

You will give two presentations during the semester. You will have 5 minutes to teach a topic, or sub topic to your peers and the class. Teaching will consist of highlighting overlying ideas and illustrating general truths that stretch through not just one or two specific problems, but rather for all problems in your topic. A simple, "HOW TO" and or example will not suffice. You will need to work on your presentation, fill it with insights, and deeply understood knowledge about the topic and then condense it down to the simple relatable and understandable language present in a good explanation/teaching presentation. You need to be prepared to field questions from the instructor and classmates at the end of your presentation.

- You must gain approval for your topics from the instructor before you may present it.
- You must request and be approved for the day to give your presentations.
- You will need to plan out your own schedule for presentations and not save it for the end of the semester. Any presentations given in the 2nd -3rd week will be given extra credit. No more than 2 presentations may be given in one day unless otherwise stated by instructor on any given day. If you do not leave yourself enough time to get a presentation done, or if the semester is booked prior to your completing your final presentation, you may not be allowed to give your presentation, and you will lose all points for that presentation. You may request to attend an office hour and give your presentation in office hours pending instructor permission, and only if all class presentations are filled.

A good presentation will include:

- Well-chosen language, correct mathematical notation, prepared pictures/diagrams/props
- Succinct insights and carefully explained ideas that break down the topic into clear, logical, insightful truths that are not specific to any one example, though they may be demonstrated to hold in a specific example(s).
- You may explain in advance all presumed knowledge before beginning your presentation, this will avoid having to start at the beginning of the topic, if your topic is too large to explain in the given time. You will have 1 minute to show what your topic is, where you plan to travel in your five minutes, and what knowledge you are assuming the audience to have before you begin.
- You should convince your audience that you have a command of the topic, that you are confident with the material, and able to field questions (you can be nervous, that is very natural)
- You should be well prepared and demonstrate this preparation.

A less than good presentation would:

- Be geared towards, "How to do these problems" **rather than** explain **what they are** and **why they are** solved or understood in some way.
- Show evidence of a lack of care, preparation, or adequate understanding.
- Not make full use of the allotted time, not be clear of what your topic is, or fail to accomplish your goal in the allotted time

Class assignments:

Class assignments are the heart of the course. Each meeting day, we will have some brief explanation of the day's topic and perhaps some additional discussion of the material (though this should be very brief if any time is spent at all). If the class needs further lecture on a topic, this will be provided, however the intent of this time is to let the student grapple with the ideas through problem solving and peer to peer collaboration. Class presentations will also take a portion of the class time.

Once/if the in class material is finished, then students may move onto their math 400 class homework, or study time for their math 400 class. Students may not utilize in class time on anything other than our class work or for their math 400 class.

Assignments may be collected for points, the points may be awarded for any of the following, completeness, correctness, or effort. Points will be awarded for work received and graded subjectively and uniformly on an assignment by assignment basis. This category of points will be a weighted average. Whatever percentage earned on all assignments for the duration of the course will be applied to the 20 points allotted in the grade book.

Extra Credit:

The instructor reserves the right to offer extra credit at any time during the class. However, the instructor is under no obligation to offer any extra credit.

Classroom Expectations:

You are expected to be self-motivated to complete the tasks at hand, if no such task is apparent to you, you will on your own move on to other related learning material first for this course, then second, for your regular corequisite math course. If the instructor has to remind individuals to be on task, this may result in a loss of points. If the instructor has to remind a group to stay on task, points for an individual(s) and or part or the entire group may be lost at instructor's discretion. Entering the classroom after the stated class start time, leaving before the instructor has dismissed you or the stated end time of the course is counted as a truancy and can result in loss of points. All points lost in the above way(s) apply to your participation grade.

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.

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 result in loss of participation points and work may not be accepted per instructor's discretion. You do not need to contact me in cases of truancy or absence, as it will be self-evident. If your attendance is causing you to lose excessive points, nearing your removal from the course, or putting you in jeopardy of not passing, please do come see me and we can discuss your situation and intentions. It is always better to have a discussion about your situation sooner rather than later. I am interested and concerned for each individual, I understand life is complicated, if you have a foreseen issue, come talk to me outside of class. However **I may drop any student if their absences are excessive (FLC defines excessive absences to be 6% of the scheduled 18 hours of class meetings which is approximately 1.08 class sessions).**

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. We often have embedded tutors that hold regular study sessions. Please inquire at the Math Lab or with your instructor for times.

Tips for Success:

- 1) Always ask questions. Most people do not, but a good question will reduce your study time and hopefully that of your classmates.
- 2) Make a decision every day for what your goals are for a class. Decide if you want to pass or drop the class. If you want to pass, put all your effort into accomplishing this goal.
- 3) Study every day, or select a number of days/week and hit your goal!
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** on “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.
- 4) 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
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6:05 to 9:00 pm	M-only or MW	Monday, May 18	8:00 to 9:50 pm
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