

F O L S O M L A K E C O L L E G E

EL DORADO CENTER ♦ RANCHO CORDOVA CENTER

Math 20 Spring 19 Syllabus

This Course is not CS/UC transferable

Course # 16695

MW 7:00 pm- 9:20 pm

Rancho Center RCC 212

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 1-142,143,145 or in our classroom

Office Hours: 8:30-8:50 am office hours are held in classroom

Monday	Wednesday	Friday
8:30-8:50 am	8:30-8:50 am	8:30-8:50 am
12:30-1:15 pm	12:30-1:15 pm	12:30-1:15 pm
9:20-9:50 pm	9:20-9:50 pm	

Or by appointment

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

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 20, MWF 7:00am

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

Required Text: Original text from "Prealgebra" Department of Mathematics, College of the Redwoods
Modified by Bethany Watson for Folsom Lake College for math 20
Copyright: 2009: Department of Mathematics, College of the Redwoods

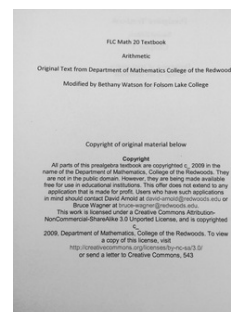
[Click here for a link to the unedited "Prealgebra" book.](#)

A hard copy of the text can be purchased from the school bookstore.

Student Learning Outcomes and Objectives:

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

- Compute with accuracy problems involving the basic operations of arithmetic (addition, subtraction, multiplication, division, exponents, order of operations) on whole numbers, fractions, and decimals.
- Convert numeric information into any of the three forms: fraction, percent, decimal.
- Solve computation problems involving ratios, proportions, and percents.
- Solve applied problems involving whole numbers, fractions, decimals, proportions, measurement, and percents.
- Convert measurement units between English and Metric using multiplication, division, and unit fractions.
- Become fluent with terminology.
- Use critical thinking to generalize procedures and discover the reason for many of the rules of math.
- This class will put a **STRONG emphasis on understanding the concepts and terms involved with each topic** in addition to the procedures of how to work problems. **This class may feel different from other math courses due to its designed approach being one of exploration of ideas and exposure to different mathematical ideas.**



Grading:

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

Participation	2 %	20 pts	90-100%	A
Notebook	2%	20 pts	80-89%	B
Book Homework	5%	50 pts	70-79%	C
Online Homework	13%	130 pts	<u>60-69%</u>	<u>D</u>
Class Assignments	13%	130 pts		
Exams	50%	500 pts	less than 60%	F
<u>Final Exam</u>	<u>15%</u>	<u>150pts</u>		
	100%	1000 pts		

Your grade = $\frac{\text{Your Points}}{\text{Total Points}}$ and can be calculated by you.

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. This means you will be involved in in-class discussions. 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:

- ≈10% of the full participation points: Perfect attendance for the entire semester.
- ≈90% 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.** 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
- Your participation points will be totaled at the end of the semester, and will be based on your attendance, in class participation, and your submissions indicating your out of class participation. Full participation based solely on out of class participation requires regular and consistent written notice throughout the entire semester.

Notebook:

You must keep and maintain a neat and partitioned class notebook for this class. It should include at least 5 binder tabs that partition the notebook into sections. They should be labeled and in this order:

- 1) **Book Homework:** your first page in this section should be the document “Book HW Grade Sheet” followed by all your *most recently assigned* Book HW. Do not include any online HW work in your binder.
- 2) **Class Notes:** This section should include all your notes and may include any in class handouts.
- 3) **Returned Work:** The first page should be the handout titled “Math 20 Grade Sheet”. With each returned assignment, be sure to write down the number of points you scored and the number of points the assignment was worth. Then place your returned work inside the binder in this section.
- 4) **Miscellaneous:** This is the catch all section. Your syllabus, any handouts you did not include in your notes section, and any other course documents.

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 we are discussing, 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 on the first exam day and other days 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.

Homework:

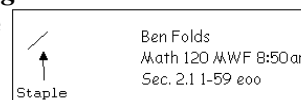
Your homework grade will come in *two parts*: 1) Online HW & 2) Book HW

- 1) **Online HW Assignments:** This will count for 13% of your overall grade. You will access this from your canvas account for this course. All online assignments are due every Sunday night at 11:59 pm. These problems will be graded instantly for correctness and you will have until the deadline for infinite opportunities to rework all problems until you get full credit for all problems due. If you get a problem incorrect, you can click on the *try a similar problem* link on that problem and you can repeat the problem an infinite number of times before the due date.
- 2) **Book HW Assignments:** This will count for 5% of your overall grade. Additionally there is an optional exam replacement which requires you to earn a 7/10 on each of the 5 book HW assignments. Failure to achieve 7 or better on each disqualifies a student from replacing their lowest exam grade (see EXAMS section). All completed Book HW will be **placed in your Notebook**, first page in this section of your notebook will be the handout “Book HW Grade Sheet” immediately followed by the **current HW assignments** in ascending order Ex: (2.1, 2.2, 2.3...). All assignments come from the textbook exercises in the textbook and include all sections, listed in the HW List handout, for the particular Exam period. All sections completed in lecture will be assumed to be assigned for that night and placed in your HW section of your binder. Your notebook will be **due at the beginning of class on the day of instruction prior to each exam day**. All assignments not handed in at the beginning of class (regardless of the reason) will be considered late and may not be accepted. If you are late, then your work is late.

All written HWs will be **graded for completion, neatness, and following the instructions**, not correctness; so it will not be difficult to get full credit on these assignments. Successful Completion of all assigned problems means:

- *Your work is neat and clearly legible with your name, class section, and HW Section printed on the top right corner of each page AND a staple through all pages in that section on the upper left corner of the assignment. All HW which fails to meet these requirements may not be graded.*

Example



- You have attempted each assigned problem.
- You must begin each new section on a new sheet of paper (there should never be any two sections of HW on the same page).
- Staple multiple pages from a single section together. Do not staple more than one section to another section
- Place the “Math 20 Book Homework Grade Sheet” behind the binder tab labeled “Homework” and place all assigned homework sections behind it in ascending order.

Failure to do any of these may result in a loss of points or not having your HW binder accepted.

HW Grading:

- 1) **Online HW Assignments:** You will be given 12 “LatePasses” (which you may use up to 168 hours or 7 days after an assignment is due, and you will be given access to the selected assignment for 168 hours or 7 days after it is utilized) and 20 online homework points on the first day of class which you may use to replace any lost points due to computer problems, illnesses, or any other unforeseen emergencies. The sum of all of your online HW points plus the free 20 online HW points will be divided by the total possible online points. This will give you your Online HW percentage. Multiply this online HW Percentage by the number of points set aside for online HW and this will be your grade for the online portion of the HW.
- 2) **Book HW Assignments:** Each of the 5 Book HW Assignment’s will be worth 10 pts. for a total of 50 points. These assignments come from problems assigned on the Exam HW List and correspond to exercises in the book. **Late HW and make ups are generally not allowed on any HW assignments per instructor discretion.**

Class assignments:

Class assignments or Quizzes may be given regularly and normally cover the material already discussed in class. Quizzes handed in on days that you are late or leave early may not be accepted or graded based on the instructor's discretion. Quizzes may be given without notice and there are no make-ups, except in cases of documentable emergencies and are worked out with the instructor in advance. Your quiz total will be based on a percentage of your quiz scores on all the quizzes you have taken throughout the semester. You will earn a percentage of the total number of points dedicated to quizzes.

For example if there are 130 points dedicated to quizzes, then your quiz score will be calculated as follows:

$$\text{Your Quiz score} = \left(\frac{\text{your total quiz points earned}}{\text{total quiz points possible}} \right) \cdot 130$$

Exams:

There will be 500 points (approximately 50% of total grade) possible on 5 exams (100 points each) given throughout the semester. No notes or "cheat sheets" will be allowed unless an exception has been verbally made by the instructor. At no time shall students be allowed to use any calculators or 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 instructors 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.

Earning the right to replace your lowest exam score with the percent earned on the final:

If you do not miss any exams, AND you earn a 7 or above on all 5 of your Written HW checks, AND you earn at least a 80% on your entire online HW grade, you can replace your lowest exam grade by replacing it with the percentage earned on the final. (Ex: You have taken every quiz and exam and scored a 7 or higher on each Written HW assignment then, if your lowest test score is a 72%, but you earn a 92% on the final exam, then your 72% will be replaced with a 92%.) **If you miss an exam during the semester and have not followed the correct procedure, you will earn a zero on that exam. See the Attendance policy for what to do if you miss an exam due to an emergency. You may not wear hats or listen to headphones during exams.**

Final Exam:

The final exam will be cumulative.

MW	The final exam will be held on Monday, May 20th from 8:00 - 9:50PM in our regular room.*
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*The final times may move (at the instructor's discretion by verbal or written notice from the instructor)

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 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 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) 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.
- 2) If you become lost or confused even after asking questions in class, seek outside help from the instructor or at any of the resources mentioned.
- 3) 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.
- 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.

Spring 2019 Final Exam Schedule

The final day of regular instruction for the semester is **Wednesday, May 15**. For classes that are a combination lecture and lab, the final exam schedule is based on the time of the lecture.

Class starts between these hours:	Class meeting days:	Date of Exam:	Time of Exam:
7:00AM - 8:00 AM	M-only	Monday, May 20	7:00AM - 8:50AM
7:00AM - 8:00 AM	T-only	Tuesday, May 21	7:00AM - 8:50AM
7:00AM - 8:00 AM	W-only or MW	Wednesday, May 22	7:00AM - 8:50AM
7:00AM - 8:00 AM	Th-only, TTh, or MTWTh	Thursday, May 16	7:00AM - 8:50AM
7:00AM - 8:00 AM	F-only or MWF	Friday, May 17	7:00AM - 8:50AM
8:05AM - 9:30AM	M-only or MW	Monday, May 20	9:00AM - 10:50AM
8:05AM - 9:30AM	T-only, TTh, or MTWTh	Tuesday, May 21	9:00AM - 10:50AM
8:05AM - 9:30AM	W-only	Wednesday, May 22	9:00AM - 10:50AM
8:05AM - 9:30AM	Th-only	Thursday, May 16	9:00AM - 10:50AM
8:05AM - 9:30AM	F-only, WF, or MWF	Friday, May 17	9:00AM - 10:50AM
9:35AM - 11:30AM	M-only	Monday, May 20	11:00AM - 12:50PM
9:35AM - 11:30AM	T-only or MTWTh	Tuesday, May 21	11:00AM - 12:50PM
9:35AM - 11:30AM	W-only or MW	Wednesday, May 22	11:00AM - 12:50PM
9:35AM - 11:30AM	Th-only or TTh	Thursday, May 16	11:00AM - 12:50PM
9:35AM - 11:30AM	F-only, WF, or MWF	Friday, May 17	11:00AM - 12:50PM
11:35AM - 1:45PM	M-only or MW	Monday, May 20	1:00PM - 2:50PM
11:35AM - 1:45PM	T-only or TTh	Tuesday, May 21	1:00PM - 2:50PM
11:35AM - 1:45PM	W-only	Wednesday, May 22	1:00PM - 2:50PM
11:35AM - 1:45PM	Th-only	Thursday, May 16	1:00PM - 2:50PM
11:35AM - 1:45PM	F-only, MWF, or MTWThF	Friday, May 17	1:00PM - 2:50PM
1:50PM - 3:55PM	M-only or MW	Monday, May 20	3:00PM - 4:50PM
1:50PM - 3:55PM	T-only or MTWTh	Tuesday, May 21	3:00PM - 4:50PM
1:50PM - 3:55PM	W-only	Wednesday, May 22	3:00PM - 4:50PM
1:50PM - 3:55PM	Th-only or TTh	Thursday, May 16	3:00PM - 4:50PM
1:50PM - 3:55PM	F-only or MWF	Friday, May 17	3:00PM - 4:50PM
4:00PM - 4:15PM	M-only or MW	Monday, May 20	4:00PM - 5:50PM
4:00PM - 4:15PM	T-only or TTh	Tuesday, May 21	4:00PM - 5:50PM
4:00PM - 4:15PM	W-only	Wednesday, May 22	4:00PM - 5:50PM
4:00PM - 4:15PM	Th-only	Thursday, May 16	4:00PM - 5:50PM
4:00PM - 4:15PM	F-only or MWF	Friday, May 17	4:00PM - 5:50PM
4:20PM - 6:00PM	M-only or MW	Monday, May 20	6:00PM - 7:50PM
4:20PM - 6:00PM	T-only or TTh	Tuesday, May 21	6:00PM - 7:50PM
4:20PM - 6:00PM	W-only	Wednesday, May 22	6:00PM - 7:50PM
4:20PM - 6:00PM	Th-only	Thursday, May 16	6:00PM - 7:50PM
4:20PM - 6:00PM	F-only or MWF	Friday, May 17	6:00PM - 7:50PM
6:05PM - 9:00PM	M-only or MW	Monday, May 20	8:00PM - 9:50PM
6:05PM - 9:00PM	T-only or TTh	Tuesday, May 21	8:00PM - 9:50PM
6:05PM - 9:00PM	W-only	Wednesday, May 22	8:00PM - 9:50PM
6:05PM - 9:00PM	Th-only	Thursday, May 16	8:00PM - 9:50PM
6:05PM - 9:00PM	F-only or MWF	Friday, May 17	8:00PM - 9:50PM
The last day of regular instruction is Wednesday, May 15. Final exams start on Thursday, May 16.			
Full-term Saturday-only classes meet at normal time for 2 hours on Saturday, May 18.			
Finals for first 8-week session and second 8-week session classes are held on the last day of class.			