

Math 110 Spring 19 Syllabus

This Course is not CS/UC transferable

Course # 16370	MWF 8:50 –10:20 AM	FLC Dogwood Hall (FL4) 137
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Instructor: Prof. M. Olsen
Office: Aspen (FL1) 148

★ **Email:** olsenm@flc.losrios.edu
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Office Phone: 916-608-6759
Cell Phone: 916-850-0352

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
12:30-1:00 pm	12:30-1:00 pm	12:30-12:45 pm
8:20-8:50 pm	8:20-8:50 pm	

Or by appointment

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

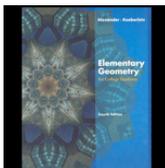
When contacting me by phone, text, or email, please be sure to include: your full name, the title of the class and the start time of the class:

EXAMPLE: Isaac Brock, Math 110, MWF 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 materials: Straight edge & compass & Student Note Packet (available only in the book store).

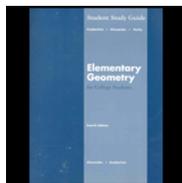
Required Text:



Elementary Geometry (4th Edition) by Alexander and Koeberlein
ISBN: 9780618645251 Edition: 4TH Copyright: 2007

Recommended materials: A scientific calculator. “Quick Study” or other geometry specific study guide/formula sheet

Recommended text:



ELEMENTARY GEOMETRY: Student Study Guide
Author: ALEXANDER ISBN: 9780618645268
Edition: 4TH Copyright: 2007

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 100 with a grade of "C" or better or show proof of placement into Math 110 or 120 via any Los Rios community college assessment process.

Student Learning Outcomes and Objectives:

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

- compute lengths, areas, and volumes of geometric objects.
- apply algebraic skills to geometric problems.
- solve mathematical and logical problems which require geometric skills.
- prove geometric theorems using both direct and indirect proof structures.
- construct geometric loci using straightedge and compass.
- utilize the appropriate trigonometric ratios to find angles and sides of right triangles.

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%	16 pts	90-100%	720-800pts	A
Homework	9%	72 pts	80-89%	640-719.9pts	B
Quizzes	24%	192 pts	70-79%	560-639.9pts	C
Exams	50%	400 pts	60-69%	480-559.9pts	D
<u>Final Exam</u>	<u>15%</u>	<u>120 pts</u>	less than 60%	below 480 pts	F
	100%	800 pts			

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

You should use the “Grade Sheet” handout (yellow handout) to keep track of all of your assignments and calculate your grade for yourself throughout the semester.

Extra credit may be given during the semester at the instructor’s discretion.

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:

- $\approx 10\%$ of the full participation points: Perfect attendance for the entire semester.
- $\approx 90\%$ 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.

Homework:

You will be expected to keep an up to date HW Notebook which includes all of your past and current HW assignments. This binder is expected to be kept current for each class meeting and to be kept neatly in sequential order of the sections of HW assigned. **You will be given random HW quizzes** and you will submit all the chapter

HW from the book in a notebook **on the day of each exam**. I call these Exam Homeworks since they are Homework assignments that are due on the day of the Exam. You must submit your Exam HW in a binder.

During the **HW quizzes**, I will allow you to use your completed HW as reference on the HW Quiz and **each problem will be worth 3 pts**. These quizzes will be closed book and you will have limited time enough to simply copy any assigned problems. This means you will only know what the question is if you copy down the questions. You should copy the problem and your complete work and solution to that problem onto a dated blank piece of paper which you will turn in by the time indicated with your name on it. Late quizzes are generally not accepted, subject to instructor discretion. Being tardy does not allow for any extra time. If you have problems writing quickly, inform the instructor immediately.

During the **Exam Homework** which are due on the day of each exam and will be **worth 10 pts each**, you will be expected to submit your Exam HW in a binder at the beginning of class before you are given an exam. Your notebook must include your **Exam Homework Grade Sheet** at the front of your notebook with your name on it. Immediately followed by your current HW assignments. You may keep other documents in this binder after these pages, provided it remains a neat notebook.

Your HW total will be based on a percentage of your scores on all the HW Quizzes & Exam HW you have taken throughout the semester. You will earn a percentage of the total number of these points dedicated to HW Quizzes & Exam HW.

For example if there are 72 points dedicated to HW Quizzes & Checks, then your HW score will be calculated as follows: $Your\ HW\ score = \left(\frac{your\ total\ HW\ points\ earned}{Total\ HW\ points\ possible} \right) \cdot 72$

All homework sections that we complete in our class discussions are expected to be completed and added to your HW notebook before the start of the next class period.

All assignments must be properly labeled in order to be considered. This means:

- Place your Exam HW Notebook Grade Sheet at the front of your binder, followed by the **current HW assignments**. After your current HW assignments, you should keep all past HW assignments in order by section.
- You should staple each individual section of HW (in the upper left corner of your page) for each section in the chapter(s) that are due.
- 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 begin each new section on a new sheet of paper.

Successful completion, and thus full credit, of all assigned problems means:

- You have completed each assigned problem, and **shown your work NEATLY**.

Failure to do any of these may result in a loss of points.

Quizzes:

Quizzes may be given regularly and normally cover the material already discussed in class. There may be some larger outdoor projects that will fall under the category of quizzes. These such quizzes will be discussed in class and you will be provided multiple days to complete such quizzes. 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 192 points dedicated to quizzes, then your quiz score will be calculated as follows: $Your\ Quiz\ score = \left(\frac{your\ total\ quiz\ points\ earned}{total\ quiz\ points\ possible} \right) \cdot 192$

Exams:

There will be 400 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 quizzes or exams, and you earn a 7 or above on all of your Exam HW's, 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 Exam 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.

MWF class	The final exam will be held on Friday, May 17th from 9:00 - 10:50 in our regular room.
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Please note the time change for the final exam day is **9:00 am.**

Extra Credit:

The instructor reserves the right to offer extra credit at any time during the class, however, the instructor is not obligated 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 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. 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 ½ 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 and cleared with the instructor prior to the date of the exam/quiz. 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 material.

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.