

Math 121, Essentials of Plane Geometry, Fall 2017

Instructor: Emil Sargsyan **Section:** 23878, **Class Time:** T 1:30 PM – 4:40 PM, **Location:** CMS 029

Instructor Information

Instructor: Emil Sargsyan

Website: <http://lamission.edu/~sargsye2>

Office Hours: M: 8:30-9:10AM, 3-5PM, T: 12:10-12:30PM,

W: 8:30-9:10AM, TH: 3:10-5:10PM

Phone: (818) 364-7898

Email: sargsye2@lamission.edu

Office: CMS 124, #136

Textbook: *Elementary Geometry for College Students*, 6th Edition, Alexander and Koeberlein.

Prerequisites: Math 125 with a grade of “C” or better, or appropriate skill level demonstrated through the Math assessment process, or by permit.

Tools: Scientific calculators are required. I recommend the Texas Instruments TI-30XS MultiView Scientific Calculator. No graphing calculator, cell phone, nor hand held computer are allowed on a quiz or test. You should also have basic construction and measuring tools, including a ruler, a compass, and a protractor.

Important Dates for Fall 2017:

Last day to add classes:	September 10
Last day to drop without a “W”:	September 10
Last day to drop with a “W”:	Monday November 19, 2017
Math 121 Final Exam:	Tuesday, December 12, 3:00PM

Course Description: This course will prepare you for college-level mathematics such as Mathematics for Teachers and Trigonometry. Topics include geometric figures such as points, lines, angles, triangles, quadrilaterals, circles, and regular polygons. Postulates and theorems involving these geometric concepts will be discussed and explored. Additionally, there will be geometric constructions that will help reinforce these concepts. There will be emphasis in logical reasoning and methods of proof, especially deductive reasoning. Right Triangle Trigonometry will be introduced to aid in the discussion of perimeters and areas of polygons.

Student Learning Outcomes: By the end of the course, the successful student will be able to:

1. Solve problems involving various geometric figures applying definitions, postulates and theorems.
2. Use deductive reasoning to write proofs of theorems and corollaries.

Attendance and Participation: It is very important that you attend every day. It means being in your seat on time, having your supplies out, having your homework done, and being ready to participate. All students are expected to arrive on time. Late arrivals are disruptive to both the lecturer and students. Once you are seated, do not leave the room until the break. Such comings and goings are also disruptive. Students must turn off all cell phones and players while in class. Side conversations between students that disrupt the flow of the lecture will not be tolerated.

Unexcused absences of two meetings may result in excluding you from class. However, **should a student decide to stop attending class it is their responsibility to drop the class; failure to do so may result in a grade of F.**

Homework and Quizzes:

- Homework will be assigned every class. It will be collected at the beginning of each class. **Late homework will not be accepted.** Reading the sections covered in class is your responsibility and is considered part of the homework. Homework should be neat, clear, and sections should be separated in an organized manner and stapled. Since the exams will closely resemble homework exercises, success in the course strongly depends on completing all assignments on timely fashion. If you miss a class it is your responsibility to find out what the assignment was and to do it before the next class. I encourage you to form study groups. Your classmates can be an excellent resource.

Exams: We will have 4 in-class closed-book, free response exams. **No make-up exam will be given.** The comprehensive final exam is on **Tuesday, December 12, 3:00PM.**

Cheating: Any form of academic dishonesty will not be tolerated. If caught, you may be given a zero for that particular exam or quiz. The event will be reported to the Math Department Chair who will forward the report to the VP of student services for disciplinary action which may include suspension or expulsion.

Tutoring

Free tutoring and other academic resources such as math textbooks, calculators, and computers with internet access are available at the STEM/Math Center Location:

CMS 121 Center Hours: Monday - Thursday 11:00 a.m. to 7:00 p.m. Phone: (818) 374-7811

LEARNING RESOURCE CENTER (LRC) Location: Ground floor of the MathLab Hours: Monday – Thursday 9:00 a.m. to 6:00 p.m. Library building Friday 10:00 a.m. to 4:00 p.m. Phone: (818) 364-7754

Getting Help:

- Use resources posted on the course website: <http://lamission.edu/~sargsye2>.
- **Get help before it's too late.** Do not get behind. It will be much harder later.

Grading: Final grades will be based on:

- Final exam – 35%
- Chapter Exams – 45%
- Homework – 20%

Your grade in the course is determined according to the following scale:

A: 90-100% B: 80-89% C: 70-79% D: 60-69% F: 59% and below

Class comportment:

- All students are expected to arrive on time. Late arrivals are disruptive to both the instructor and students. Once seated, do not leave the room until dismissed. Such comings and goings are also disruptive.

- Cell phone must be on silent mode and kept out of sight while in class. Cell phone ringing and text messaging create distractions.
- Students are encouraged to ask questions and make comments on the lecture material. This should be done in a courteous manner by raising one's hand and being recognized. Side conversations between students that disrupt the flow of the lecture will not be tolerated.
- Students are responsible for managing their academic workload. Should a student decide to stop attending class it is their responsibility to drop the class. All students appearing on the grade roster will receive a grade regardless of whether they are attending classes or not.

STEM Support & Resources:

- STEM resources including academic counseling and advisement are available through Los Angeles Mission College STEM program. For more information, call (818) 833-3425 or visit <http://lamission.edu/stem/>.

Accommodations for DSPS students:

LAMC students with verified disabilities who are requesting academic accommodations should use the following procedure:

Step 1: Obtain documentation of your disability from a licensed professional. You may contact DSPS to request a *Disability Verification Form*.

Step 2: Make an appointment to meet with a DSPS Specialist to review your documentation and discuss reasonable accommodations. To schedule a meeting, please call DSPS at (818)364-7732.Step

3: Bring your disability documentation to your DSPS appointment. The DSPS office is located in room 1018 of the Instructional Building.

Step 4: *Each semester*, reach written accommodation agreement with the DSPS Specialist and your instructor.

To be most effective, students should complete this process by the end of the 3rd week of the semester. Tests with required accommodations must be taken at the DSPS office.

Study the textbook:

The textbook provides a reasonable level of mathematical rigor and many exercises are quite revealing. I strongly encourage you to read/study the text carefully. The lectures are designed as a supplement to and not an alternative for the textbook. Students are expected to master all topics in the textbook unless otherwise indicated.

Resources Available to Students at LA Mission College:

- **Management of Stress and Mental Health:**
If you, or someone you know is in distress due the pressure of succeeding in school and contending with work, financial issues, relationships, managing time effectively, getting enough sleep, etc., please visit the Student Health Center (SHC), which offers a broad range of confidential student services including counseling and mental health services. The SHC is located in the Bungalow just west of the Collaborative Studies Building. The SHC webpage is www.lamission.edu/healthcenter and the phone number is 818-362-6182. The National Suicide

Prevention Lifeline number is 800-273-8255.

Bookstore: For hours of operation, book availability, buybacks, and other information call (818) 364-7798 or 364-7768 or visit <http://eagleslanding.lamission.edu/>

Counseling Department: For appointments and information call (818) 364-7655 or visit <https://www.lamission.edu/counseling/>

Disabled Students Programs and Services: For appointments and information call (818) 364-7732 or visit <http://www.lamission.edu/dsps/>

Extended Opportunity Programs and Services: For appointments and information call (818) 364-7645 or visit <http://www.lamission.edu/eops/>

Financial Aid: For information and applications call (818) 364-7648 or visit <http://www.lamission.edu/financialaid/>

Library: For information on library hours, resources, workshops, and other services contact (818) 364-7105 or 364-7106 or visit <http://www.lamission.edu/library/>

- **Tutoring Services in Learning Center:** Laboratories for Learning & Writing. Walk-in and appointment services offered. Call (818) 364-7754 or visit <http://www.lamission.edu/learningcenter/>

Math Center: Free Math tutoring, computer and internet access. Call (818) 364-7811 or visit <http://www.lamission.edu/mathcenter/>

STEM Program: For those interested in pursuing a science, technology, engineering and math, please call the STEM counselor Marina Sangkavichai at (818) 833-3425 or visit

<http://www.lamission.edu/stem/>

Student Service Resources: For a directory of student resources, visit <http://lamission.edu/de/student-services/>

Math 121 Tentative Schedule

Week	Date	Tuesday
1	Aug 29	1.1,1.2 1.3,1.4
2	Sept 05	1.5-1.7
3	Sept 12	2.1-2.4

4	Sept 19	2.5 Chapters 1 & 2 Review
5	Sept 26	Ch 1 & 2 Exam 3.1-3.2
6	Oct 03	3.3, 3.5, 4.1, 4.2
7	Oct 10	4.3, 4.4 Chapters 3 & 4 Review
8	Oct 17	Exam Ch 3 & 4 5.1,5.2
9	Oct 24	5.3-5.5
10	Oct 31	6.1-6.4
11	Nov 07	Ch 5 & 6 Exam
12	Nov 14	7.3, 8.1-8.4
13	Nov 21	8.5,9.1-9.4
14	Nov 28	7.3 and Ch 8- 9 Exam
15	Dec 05	FINAL EXAM REVIEW
16	Dec 12	FINAL EXAM 3:00PM