

Math 121, Essentials of Plane Geometry, Spring 2014

Instructor: Tigran Mkrtchyan, **Section:** 0359, **Class Time:** MW 12:15 - 01:40 PM, **Location:** CMS 204

Instructor Contact Information:

E-mail: mkrcht@lamission.edu

Website: <http://www.lamission.edu/~mkrcht>

Phone: 818-364-7669

Office Location: CMS 249 (inside CMS 247)

Office Hours: MW: 8:30-8:50 am, 11:30 am-12:10 pm, 6:30-7 pm, TTH: 10:15-11 am, 6:30-7 pm or by appointment

Textbook: *Elementary Geometry for College Students*, 5th 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. Any kind will do the job. 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:

Last day to add classes:

Friday, February 21

Last day to drop without a “W”:

Sunday, February 23

Last day to drop with a “W”:

Sunday, May 11

Final Exam:

Monday, June 9, 12:30 –2:30 PM

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.** All students appearing on the grade roster will receive a grade regardless of whether they are attending classes or not. In order to succeed in class your mere presence in the classroom is not enough. You have to actively participate in the classroom activities and discussions. You should take notes and ask questions each time you don't understand.

Homework and Quizzes:

- Homework will be assigned every class. It will be collected the day of the exam (it should be on my desk before the exam begins). **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.

- Quizzes will be given throughout the semester covering the homework. These will be announced and usually include 3 to 5 questions. **There will be no make-up quizzes.**

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 May 28 at 5:30-7:30 PM. Students that do not take the final exam will automatically receive an F for the course.

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.

Getting Help:

- Use available free tutoring in the Math Center located in CMS 121.
- See me during my office hours or make an appointment.
- Use resources posted on the course website: <http://lamission.edu/~mkrcht>.
- **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 – 30%
- Chapter Exams – 55%
- Homework/Quizzes – 15%

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

Special Services: Students with disabilities, whether physical, learning, or psychological, who believe that they may need accommodations in this class, are encouraged to contact Disabled Students Programs & Services (DSPS) as soon as possible to ensure that such accommodations are implemented in a timely fashion. Authorization, based on verification of disability, is required before any accommodation can be made. The phone number for Special Services is (818) 364-7732 or (818) 364-7620 and they are located in the Instructional Building room 1018. DSPS website: <http://www.lamission.edu/dsps/>

(See the next page for the tentative schedule)

Math 121 Tentative Schedule

Wk	Date	Monday	Wednesday	Notes
1	Feb 10/ Feb 12	Intro 1.1	1.2,1.3	
2	Feb 17/ Feb 19	<i>President's Day (no class)</i>	1.4,1.5,1.6	
3	Feb 24/ Feb 26	1.7,2.1	2.2,2.3	
4	Mar 3 / Mar 5	2.4,2.5	2.6,Review	
5	Mar 10 / Mar 12	Ch 1 & 2 Exam	3.1,3.2	
6	Mar 17 / Mar 19	3.3,3.5	4.1,4.2	
7	Mar 24 / Mar 26	4.3,4.4	Review	
8	Mar 31 / Apr 2	<i>Cesar Chavez Day (no class)</i>	Ch 3 & 4 Exam	
9	Apr 7 / Apr 9	<i>Spring Break</i>	<i>Spring Break</i>	
10	Apr 14 / Apr 16	5.1,5.2	5.3,5.4	
11	Apr 21 / Apr 23	5.5,5.6	6.1,6.2	
12	Apr 28 / Apr 30	6.3,6.4	Review	
13	May 5 / May 7	Ch 5 & 6 Exam	7.3,8.1,8.2	
14	May 12 / May 14	8.3,8.4	8.5,9.1	
15	May 19 / May 21	9.2,9.3	9.4, Review	
16	May 26 / May 28	<i>Memorial Day (no class)</i>	7.3 and Ch 8- 9 Exam	
17	June 2 / June 4	Final Review	<i>No Class</i>	
18	June 9 / June 11	Final Exam 12:30 – 2:30 PM	<i>No Class</i>	