MATH 121, Essentials of Plane Geometry, Spring 2014
TTh, 3:35P-5:00P, 3.00, CMS 020

Instructor:	Ryan Yamada	**E-mail:**	yamadarn@lamission.edu
Office:	CMS 124 (inside CMS 134)	**Office Hours:**	MW 3:00 – 4:00pm,
Website:	http://www.lamission.edu/~yamadarn/4121		TTh 1:00 - 3:00pm
Text:	*Elementary Geometry* 5th edition by Alexander/Koeberlein		

Course description: This course covers the definitions, axioms, and theorems of geometry relating to angles, lines, circles, polygons, and polyhedra. It also provides an introduction to formal proofs, logic, and construction methods with straight-edge and compass.

Final Exam Date: Tuesday, June 3rd, 5:30pm-7:30pm

Student Learning Objectives:

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

Grading: Exams – 40%, Final – 25%, Quizzes 15%, Homework – 15%, Participation (Problems and Group Work) – 5%

Grading Scale: Typically 90% earns the lowest A, 77% the lowest B, and 66% the lowest C, although I reserve the right to be more generous.

Attendance: Attendance is very important in the learning process. If you are absent, it is your responsibility to keep up with the material as noted on the schedule. Most of the time, attendance will be taken using a problem of the day. This problem will be worth three points and will be related to that day's lecture. You may use your book, notes, or whatever is on the board to solve the problem (but you must work on your own). One point will be given for simply attempting the problem, two points for an answer that starts off right, and three points for the correct answer.

There are no make-ups for any in-class activities. Missing multiple class meetings may lead to you getting dropped from the class. However it is always the student's responsibility to be sure to drop or verify that they are dropped from the class should they stop attending. Do not assume I will drop you.

Exams and Quizzes: You will be given four exams, and a comprehensive final exam on the dates noted on the course schedule. Your lowest exam score may be replaced by that of the final, if it is to your advantage. No calculators will be allowed on any exams. **You must show all of your work directly on the quiz or exam**. Any student caught cheating on an exam will receive no points for that exam; this score will not be replaced by that of the final. Any form of academic dishonesty can be grounds for receiving a grade of F and possibly dismissal from the college. Any student that does not take the final exam will fail the course, regardless of his or her grade to that point.

There will be nine quizzes throughout the semester as noted on the schedule. Your lowest quiz score will be dropped. You will not be allowed to use calculators on any quizzes.

STEM Center Tutoring

As a student in this class, you have been referred to the STEM Center for tutoring. The STEM Center offers walk-in tutoring for students in all STEM classes.

The STEM Center is located in CMS 121 and is open from 11:00am-8:00pm Monday through Thursday and 10:00am-2:00pm on Saturday. For more information, call 818-364-7811 or visit http://www.lamission.edu/mathcenter

Make-ups: You must take the final exam with the rest of the class at the scheduled time listed above. Make-up exams are only allowed if a student has a "verifiable documented emergency" (i.e. car accident, hospitalization, etc.) Make-up quizzes, however, are given at the instructor's discretion and depend on both the reason and the amount of notice given (a good reason with a week notice is much more likely to get a make-up than a "shaky" reason the day after the quiz).

Homework: Homework assignments will be given for every section of the text that we cover. Each section of homework is worth 4 points and will be graded both on completeness and correctness. Two problems will be randomly selected and you will get one point for each one that is correct. The other two points are awarded based on how much of the homework section you did.

No late homework will be accepted, but at the end of the semester your lowest 5 of 44 sections of homework will be dropped. All answers must be justified and all work must be shown. Simply turning in a list of answers will not get you any credit.

Cell phones and other electronic devices: To avoid unnecessary interruptions in this class, all electronic devices must be turned off or on silent mode and kept out of sight. No calls or other interruptions will be tolerated unless there is an emergency or previously arranged agreement. Students not following this policy may be asked to leave class and any scores for that day will be zero. No cell phones are allowed to be out of backpacks during exams or quizzes. Use of a cell phone in any form during an exam may result in a score of zero for that exam.

STUDENTS ARE TO ADHERE TO THE CAMPUS POLICY ON ACADEMIC INTEGRITY AS OUTLINED IN THE CURRENT CATALOG. See campus policy on Standards of Student Conduct as outlined in the current LA Mission College Schedule of Classes.

DSPS: If you have a documented disability and wish to discuss academic accommodations, you can either contact me or contact the Office of Disabled Student Programs and Services (DSPS). The DSPS office is located at INST 1018 and can be reached either by phone at (818) 364-7732 or online at http://www.lamission.edu/dsps

Significant changes to the drop policy and class repetition are now effective

Class repetition: Students are limited to three attempts at passing a course with a "C" or better. Any letter grade or "W" counts as an attempt. And this rule is retroactive. This means for example that if a student got a "W" and a "D" in Math 121 two years ago, he has one more chance to pass before he is prevented from enrolling in Math 121.

Last day to drop without a W: In the past this was the census date, about the 3rd week of classes. It is now Friday, February 21st. Any student still on the roster after this date will receive some type of letter grade (either A-F or W) and the course will count as one of your attempts.

Math 121 Course Schedule - TTh Lecture

Week	Tuesday	Thursday
2/10 - 2/14	Intro 1.1	1.2, 1.3
2/17 - 2/21	1.4, 1.5 Quiz #1 (Ch 1.1 - 1.3)	1.5, 1.6
2/24 - 2/28	1.6, 1.7 Quiz #2 (Ch. 1.4 - 1.6)	**Exam #1** **(Chapter 1)**
3/3 - 3/7	2.1, 2.2	2.3, 2.4
3/10 - 3/14	2.5, 2.6 Quiz #3 (Ch 2.1 - 2.4)	3.1, 3.2
3/17 - 3/21	3.2, 3.3	3.4, 3.5 Quiz #4 (Ch. 2.5 - 3.3)
3/24 - 3/28	**Exam #2** **(Chapter 2 - 3)**	4.1, 4.2
3/31 - 4/4	4.3, 4.4	5.1, 5.2, 5.3 Quiz #5 (Chapter 4)
4/7 - 4/11	SPRING BREAK	
4/14 - 4/18	5.3, 5.4	5.5, 5.6 Quiz #6 (Ch 5.1 - 5.4)
4/21 - 4/25	**Exam #3** **(Chapter 4 - 5)**	6.1, 6.2
4/28 - 5/2	6.2, 6.3	6.3, 6.4 Quiz #7 (Ch. 6.1 - 6.3)
5/5 - 5/9	7.1, 7.2, 7.3	8.1, 8.2
5/12 - 5/16	8.3, 8.4 Quiz #8 (Ch 6.4 - 8.2)	8.4, 8.5
5/19 - 5/23	**Exam #4** **(Chapter 6 - 8)**	9.1, 9.2
5/26 - 5/30	HOLIDAY (no class)	9.3, 9.4 Quiz #9 (Ch 9.1 - 9.2)

FINAL EXAM: Tuesday, June 3rd
5:30pm - 7:30pm, CMS 020

Math 121 Homework Assignments Spring 2014

Due	Section	Problems
2/18	1.1	1-4, 11-17 odd, 41-49 odd
	1.2	3, 4, 8-16 all, 27, 28, 33, 34, 35-43 odd
	1.3	1, 2, 9, 10, 12, 14, 15-21 odd, 24, 25
2/25	1.4	1-8 all, 10, 11, 18-23 odd, 30, 42
	1.5	11-21 odd, 24, 26, 27, 30, 31
	1.6	1, 4, 12, 13, 15, 19-21 all, 23
2/27	1.7	1-6 all, 11-23 odd, 26, 27
3/11	2.1	1-5 all, 9, 11, 14-17 all, 19, 20, 28
	2.2	1, 4, 5-8 all, 19-24 all
	2.3	1-15 odd, 18, 21, 22, 23-29 odd, 32
	2.4	1-4 all, 7-10 all, 13-19 odd, 30, 32, 43, 44
3/20	2.5	5, 8, 16, 19, 20, 21, 38
	2.6	5-10 all
	3.1	1, 2, 4, 9-17 odd, 25, 26, 30, 31, 33, 34
	3.2	1, 4, 5, 7, 11, 13, 14, 17-21 odd, 24, 26
	3.3	1-8 all, 21, 27, 29, 33, 34, 36, 37
3/25	3.4	19-22 all, 29, 30
	3.5	1-8 all, 15-21 all, 25, 26
4/3	4.1	3, 5, 6-10 all, 13, 14, 23-25 all
	4.2	2, 6, 19, 21, 22, 28
	4.3	8-10 all, 15, 16, 24, 28, 30
	4.4	1, 4, 8, 18, 20, 27
4/17	5.1	1-13 odd, 17, 20, 22, 25, 29, 31
	5.2	1, 6, 9, 10, 13, 14, 15-19 odd, 23, 24, 29
	5.3	5-10 all, 11, 12, 15, 16,19, 20, 21, 23-27 odd, 31
	5.4	7-11 all, 13, 14, 17, 22, 27, 34, 35
4/22	5.5	1-4 all, 5-13 odd, 15, 20, 21, 30
	5.6	1, 3, 9, 11, 16, 17, 26

5/1	6.1	1-13 odd, 30, 31,33, 35, 39
	6.2	1-17 odd, 21, 22, 25, 26, 37
	6.3	1-23 odd
5/13	6.4	1-6 all, 15, 16, 19, 23, 26
	7.1	1, 2
	7.2	1-7 all, 22, 23
	7.3	10-15 all, 17-20 all
	8.1	2, 7, 8, 9-17 odd, 19-22 all, 24, 28
	8.2	1-9 odd, 13-17 odd, 19-22 all, 29, 35, 36
5/20	8.3	1-4 all, 7, 13-19 odd, 21, 22, 24
	8.4	1, 2, 5, 7-10 all, 20-22 all, 29
	8.5	1-4 all, 13, 14, 17, 19, 20, 28, 37
5/22	9.1	1-4 all, 7, 8, 20, 25
	9.2	1-4 all, 7, 9, 19, 20
6/3 (at the final)	9.3	3, 4, 7, 13-17 odd, 23, 24, 26
	9.4	6, 29-32 all, 36

Homework will be graded on both completeness and correctness. Half of the homework score will be based on how many of the assigned problems were attempted. The other half of the homework score will be based on the correctness of randomly selected problems.

Each section of homework will be worth 4 points. When an assignment is returned to you, it will have all the section scores across the top (such as "3/0/4/4/3 = 14/20"). At the end of the semester, the lowest 5 sections of homework will be dropped. So in the previous example, the 0 would be dropped but the other scores would (probably) be kept and go towards the final homework grade.

You must show all your work on the submitted homework. Simply turning in a list of answers will not get you any credit.