

Mathematic 120 Elementary Geometry – Syllabus

Spring 2016—MTWTh 1:00-2:10pm: MS 106-Sect #: 1472

Instructor: Ms Fendi He(r)

Email: hefy@lavc.edu

Office Hours: Mondays to Thursdays 2:15-2:40 pm @ MS 112 **Final Exam:** Last day of class, Monday, June 6, 2016

Course Links: <https://drive.google.com/open?id=oB-lq6La1GvmWEtORmNjdHFNNko>

Textbook: and Supplies: Elementary Geometry for College Students by Alexander and Koeberlein (Sixth Edition) & The textbook is necessary for this class. The majority of your assignments come from the book. We will use it on the first day of class. The following items are required for this class: basic scientific non-graphing calculator, compass, straightedge, protractor, notebook, lined paper, stapler, and pen/pencil/eraser.

Prerequisite: C grade or better in Math 113 and Math 114 or Math 115 or appropriate skill level demonstrated through the math placement process.

Chapters COVER: Chapters 1 to 9. There is an exam for every 2 chapters.

SLO(Student Learning Outcome)

Students will be able to think analytically at a level appropriate to **elementary geometry**.

- 1) Students will be able to think logically.
- 2) Students will be able to think analytically using geometric concepts.
- 3) Students will be required to write a proof where they must identify the hypothesis and conclusion, draw a diagram, and give statements with appropriate justification and reasoning.
- 4) Students will be required to apply definitions, postulates, and theorems to geometric problems.

Course Objectives:

1. State definitions, postulates, and theorems.
2. Reason mathematically using deductive and inductive reasoning.
3. Write proofs using deductive reasoning.
4. Classify geometric shapes and identify figures with shared characteristics.
5. Solve quantitative problems applying established definitions, postulates, and theorems.
6. Construct geometric figures using straightedge and compass.

Academy Dishonesty: Plagiarism and Student Conduct:

Plagiarism is the use of others' words and/or ideas without clearly acknowledging their source. When you incorporate those words and ideas into your own work, you must give credit where credit is due. Plagiarism, intentional or unintentional, is considered academic dishonesty and is not tolerated. Anyone found to be plagiarizing or cheating on assignments (e.g., copying or giving answers, using 'crib' sheets, etc.) will (1) receive a zero (fail) on the assignment/quiz/exam/final, and (2) face disciplinary action by the department chair or college academic dean. For further information on plagiarism, go to the Writing Center website (www.lavc.edu/WCweb/plagiarism.html)

Services for Students with Disabilities (SSD):

SSD program provides support services, specialized instruction, and educational accommodations to students with disabilities so that they can participate as fully and benefit as equitably from the college experience as their non-disabled peers. If you are a student with disabilities, please make sure to inform me right away and submit me the proof/memo from the office. If you think that you are qualified to participate in SSD, please contact The Services for Students with Disabilities (SSD) Office is located in Student Services Annex, Room 175 or via email ssd@lavc.edu.

Attendance Policy: Attendance is **MANDATORY**. Excessive absences or tardiness may affect course grade. A total of 4 absences or consecutive missing three class meetings will be dropped from this course. Half hour tardiness or leaving early is equivalent one absence. Three 15 minutes marks of tardy count as one absence. Leaving class early and tardiness are very disrespectful and disruptive. Please DO NOT schedule any doctor's appointments and/or counseling appointments during the class meetings. **It is your responsibility** to keep your enrollment status current. You risk receiving a semester grade of "F" if you stop attending without officially withdrawing. Do not bring others with you to class. Only enrolled students may attend class. Please ensure that your cell phone is **SILENT** while in the classroom. If you are always on time, never leaving early, and attend all the class meetings, you will gain 5 bonus points at the end of the semester. Students missing class are responsible for finding out what they missed and what is due. I am unable to repeat entire lectures or individually email all students who missed class. I suggest you get contact information from a few classmates

Grading:

Grade Scale:

Participation & Classwork (4 pts X 15 wk)	70		
Written Homework (20 pts x 5)	100	1000 – 900	A
Definition Paper (10 chapters X 5 pts)	50	899- 800	B
4 Exams (120 pts x 4)	480	799 – 700	C
A Comprehensive Final	300	699 – 600	D
TOTAL	1000	No Final Exam OR < 600	F

Extra Credit Opportunity:

1. Participating in office hours will worth up to a total of 10 points.
2. Forming a study group outside the classroom will worth up to 10 points.
2. At the end of each chapter, there is a chapter test. Please complete all problems and it is worth 4 points extra credit each chapter on HW Sets.

PARTICIPATION & Classwork (70 points: 4 pts per week)

NOTES: You must have a note for this class. Very often, I will walk around to make sure you are on the task. Once a while by the end of class, I will check your notebook and please label your notes by the date and section heading. If you never take your notes, you will receive a ZERO participation grade.

Your notebook is a great resource for studying.

Participation: Participation includes taking lectures notes, answering your instructor's questions, coming to the whiteboard to complete the assigned

problems, and work with classmates. If you deny participate in class, you will lose points. Basically, ACTIVE participation gain FULL credit. Tardiness and absences will be deducted points with the participation grade. In fact, you get 5 bonus points if you are never tardy, leaving early, and absent.

CLASS work: Whenever there is a possible chance to practice, you will work some class work in a week. In my class, you are always expected to work in groups or different partners through the whole semester. Class work will be turned in along with the homework set before the exam. There might be some days to have pop quizzes instead of classwork. Don't forget to label the day of the class work and section on the heading.

HOMEWORK (100 points: 5 sets—20 pts per set)

- There are FIVE homework sets. Each HW sets worth 20 points covers TWO chapters.
- All the written HOMEWORK Set must be due before EACH EXAM. **NO LATE Written HW is due after the EXAM date!**
- Before each exam, you must staple a COVER sheet on the top of each assignment with checklists that demonstrate you have completed the assignment.

The completion of daily homework is critical to your success in this course. Please do your HW on a regular basis. DO NOT WAIT TILL the LAST MINUTE. *It's recommended that students spend at least 2 hours each day to review the class notes, read the pertinent sections in the text, and solve the homework problems.*

Definition Paper-Homework. (50 points—5 pts per chapter)

- One of your requirements is to read and write the chapter definitions.
- Each chapter has rules, words, and phrases that will assist your development of mathematical languages.
- Look for bold words, theorems, lemmas, and corollaries in light blue, green, and tan boxes containing definitions, postulates, and theorems.
- Papers are due the day we start a new chapter. Two chapters are due on the date of the exam.
- Please be neat and organize in your hand-writing. No typing is allowed.

EXAMS (4 exams—480 points)

- There will be FOUR exams worth 120 points each. ALL FOUR exams will be counted toward your grade. Therefore, please be alerted about the exam dates. All your exams will be mostly free response question. Please don't provide an excuse that you don't know the exam date.
- **Absolutely no Makeup TEST** unless special conditions WITH **DOCUMENTED PROOF**; any make up test will be made within 1-2 days of the ACTUAL exam date. I MIGHT accommodate you with another day based on your proof and reasons in my office hour or another campus.

FINAL EXAM (300 points)

There is a comprehensive final exam on June 6, 2016 from 12:30pm to 2:30pm. The final exam will cover chapter 1 to 9. You must obtain at least 65% on your final to pass the class.

****Note: Any student who does not take the final exam will fail the course, regardless of his or her grade to that point. ****

**** NO INCOMPLETE grade will be assigned for any circumstances!*****

Classroom Expectations

Expect to come to class to learn something new everyday. Expect each student to come to class prepared with school supplies and ready to help you learn something new everyday. Expect that I will not give you every answer; instead, I will help you think about concepts so you can develop your own answers. Expect to work many hours outside of class to learn the material especially this course is not an easy course. I expect us to work as a learning team to achieve success at the end of the semester. I expect you to attend class daily, on time and prepared. I expect you to contact classmates to get caught up if you are absent, tardy, or need to leave early. I expect you to contact me if you have an extended absence so we can work together to make alternative arrangements. I expect you to abide by the Valley College Student Conduct and Academic Honesty Policy; if you do not abide, you can expect to receive a "o" on the assignment. We can all expect to learn from each other and help each other with new and review concepts. We can all expect to show our respect to those talking by paying attention and not speaking at the same time.

We can all expect to have a productive and challenging semester **together!**

I EXPECT THAT EVERYONE OF YOU WILL PASS THIS COURSE THIS SEMESTER!

Classroom Policies

- Be on time** to the class especially during the exam. If you are late more than 20 minutes, you are responsible to get what you were missing from other classmates. I will not answer questions regarding what I have covered for students who are late or absent or leaving early.
- Please be courteous to set your cell phone in silence before class and don't text the message in the class. **I only provide two warnings and I won't tolerate this behavior. Please BE RESPECTFUL!**
- Please be prepared to be called often to answer questions or to the whiteboard during lecture.
- Please don't interrupt the lecture and the class at all the times and don't WHINE; **NO PROFANITY AT ALL!**
- Please let the instructor know if you leave the class early than usual or absent the next lecture day especially during exam date.
- No food is allowed in the classroom, but you can have a snack and please throw away your trash.

LAVC offers a variety of tutoring resources for students

1. Your instructor's office hour: **Mondays & Wednesdays from 2:15-2:45 pm**

Ask your instructor is the best resource. I am always willing to help you during my office hours. Please be prepared and bring questions to my office hour.

2. **The Math Lab will be opening for walk in tutoring hours in LARC 226 (Library 2nd floor).**

3. Google keywords & Youtube important information to enhance your understanding.

4. Ask Fellow classmates' questions before, during, and after the class. Work with one or more classmates can be invaluable.

Meet in a study room in the library, Starbucks, tutoring labs, etc. You get up to 10 points extra credit for studying in a group of at least 3 people and meeting at least 4 times outside the classroom, with minimum of 2 hours each time per day.

Standards for Written HOMEWORK Sets

- Use **standard-sized paper** (8.5" x 11"), with no "fringe" running down the side.
- ~~It is highly possible to cover three to four sections during one class.~~ Each section must be accomplished on SEPARATE PAPERS.
- Each section is a separate assignment. Attach all section's pages with a staple. **No other way is acceptable.**
- **Label the sections and problems on the heading.** Circle the problems you didn't do.
- Clearly indicate **number of the exercise** you are doing.
- **Write out the problem** (for word problems, which can be too long, you may paraphrase) and include drawings.
- Accomplish your work in pencil, with mistakes cleanly erased, not crossed, or scratched out. If you work in ink, use "white-out" to correct mistakes. **Write legibly (suitably large and dark);** if it cannot be read it is wrong and will be returned without a grade.
- **Write neatly across the page**, with each succeeding problem **below** the preceding one, not off to the right. If you use multiple columns down the page (like a newspaper), your page should contain only two columns. **If it cannot be read, it will not be graded.**
- **Keep work within the margins.** Do not squeeze the problems together by providing at least one blank line between one problem and the next.
- Remember to **put your final answer at the end** of your work, and mark it clearly by boxing, circling, or highlighting the answer. **If the answer is to a word problem, write a sentence and put appropriate units on the answer.**
- Write your practice as though you are trying to **convince someone** that you know about what you are writing.
- **Late HW is never accepted after the exam.**

Before the start of class, write any homework questions with section number on the board needing further explanation.

The perfect time for your questions with further explanation is during office hours.

Tentative Spring 2016 Schedule

<u>Week</u>	<u>Mondays</u>	<u>Tuesdays</u>	<u>Wednesdays</u>	<u>Thursdays</u>	<u>HW Due & Impt Date</u>
Week 1 2/8/16-2/11/16	Syllabus & 1.1	S. 1.1-1.2	S.1.2-1.3	S. 1.3-1.4	
Week 2 2/15/16-2/18/16	President's Holiday	S. 1.4-1.5	S.1.5-1.6	S. 1.6-1.7	
Week 3 2/22/16-2/25/16	Chapter 1 Review	Quiz 1 (Ch 1) S. 2.1	S. 2.2	S2.3	
Week 4 2/29/16-03/04/16	S.2.4	S.2.5	Exam 1 Review	Exam 1 (Ch. 1-2)	
Week 5 03/07/16-03/10/16	S. 3.1	S. 3.2	S. 3.3	S. 3.4	
Week 6 03/14/16-03/17/16	S. 3.5	Chapter 3 Review	S. 4.1	S. 4.2	
Week 7 03/21/16-03/24/16	S. 4.3	S. 4.4	Exam 2 Review	Exam 2 (Ch. 3-4)	
Week 8 03/28/16-03/31/16	S. 5.1	S. 5.2	S. 5.3	Cesar Chavez's Holiday	Spring Break 04/04/16-04/07/16
Week 9 04/11/16-04/14/16	S. 5.4	S. 5.5	Chapter 5 Review	S. 6.1	
Week 10 04/18/16-04/21/16	S. 6.2	S. 6.3	S. 6.4	Exam 3 Review	
Week 11 04/25/16-04/28/16	Exam 3 (Ch. 5-6)	S. 7.2	S. 7.3	Chapter 7 Review	
Week 12 05/02/16-05/05/16	S. 8.1	S. 8.2	S. 8.3	S.8.4	
Week 13 05/09/16-05/12/16	S. 8.5	Catch up	Exam Review	Exam 4 (Ch. 7-8)	
Week 14 05/16/16-05/19/16	S. 9.1	S. 9.2	S. 9.3	S. 9.4	
Week 15 05/23/16-05/26/16	S. 9.5	Chapter 1-3 Review	Chapter 4-6 Review	Chapter 7-9 Review	
Week 16-Final Week	Memorial's Holiday	Final Exam June 6, 12:30pm -2:30pm			

EXTRA Credit for Participating in My Office Hour or Math Lab. DUE: final exam date

You can only get up to the maximum of **10 points** of OFFICE hour extra credit and you are required to STAY **more than 35-60 minutes** to ask the question regarding homework and exams. Each visit worth 1 points, up to 10 visits.

The Math Lab locates in Library and Academic Resource Center (LARC 226).

You will need a SIGNATURE from each instructor/tutor. Please do not forfeit any signature because I can check MATH LAB log in.***

Date and Time	What are you asking? Which Section? Or Questions from Exams?	Instructor/Tutor Print Name and Sign (Which Center)
02/16/2016 2:15-2:45pm	Section 1.5 Geometric Proof	Ms. He(r)
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		

Extra Credit: Forming a Studying Group outside the Classroom

You can get up to 10 points extra credit by forming a studying group outside the classroom. You must form a group of at least 3 students from this class. By getting 10 points extra credits, you must study at least 5 times outside the classroom, with a minimum of 1.5 hour to 2 hours in a study room in a library, tutoring labs, Starbucks, etc. You must record you and your group with the start time by showing what are you planning to study within 1.5 hours to 2 hours and the end time by showing what you have accomplished at the end. PLEASE ILLUSTRATE WHAT YOU ACCOMPLISHED.

STUDY GROUP Members are:

1. _____
2. _____
3. _____
4. _____
5. _____

Study places are:	Date	Time	Length of time
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____

First Day Introductory Activity: Make friends inside the classroom

After introducing briefly each other in a group of four, now please get to know ONE classmate fully. You are responsible to introduce one person from your group to the class.

- Name/Nickname

- Year in school: Freshman, Sophomore, etc???

- Major and Career Goal

- One topic you are exciting to learn from this class:

- One study tip you recommend

- Hobbies

Ms He(r)'s Tips: How to Become Successful in

Math 120 Class:

- 1. Attend every class session and be on time*
- 2. Be an active participant in the classroom activities*
- 3. Preview new material*
- 4. Do the homework on a regular basis*
- 5. Make friends in class*
- 6. Ask for assistance (classmate, instructor, tutoring center)*
- 7. Believe in your ability to succeed*
- 8. Be neat, accurate and well organized*
- 9. Persevere*
- 10. Prepare for the tests and the final exam.*

Classmate yellow page

It is important to get 3 contacts from classmates if you have any questions or ever miss a class due to any emergency. Please get notes, classwork, or any handouts from one of these classmates. Your instructor will not answer questions regarding what you have missed. Why don't you make friends now? Feel free to take out your phone and input these classmate's info. After you're done, be courtesy to put away the phone.

Name: _____

Email: _____

Phone #: _____

Major: _____

Career Goal: _____

Hobbies: _____

Name: _____

Email: _____

Phone #: _____

Major: _____

Career Goal: _____

Hobbies: _____

Name: _____

Email: _____

Phone #: _____

Major: _____

Career Goal: _____

Hobbies: _____