

**Course:** Plane geometry, Math 120, Ticket 1403, MTWTh, 11<sup>20</sup> – 12<sup>30</sup> pm, in EST 103

**Instructor:** Razvan Ciuca      Email: ciucara@lavc.edu  
Office Hours:      M 12<sup>30</sup>—1<sup>00</sup> MS 112 and 2<sup>50</sup>—3<sup>00</sup> MS 107  
   TWTh 12<sup>30</sup>—12<sup>45</sup> in EST 103

**Text:** Elementary geometry for college students, 6<sup>th</sup> edition by D. Alexander and G. Koeberlein

**Important Dates:** Last day to drop without a “W”: February 21  
Last day to drop with a “W”: May 8

**Course Outline:** Prerequisite: a grade of C or better in both Math 113 and Math 114; or a grade of C or better in Math 115; or appropriate skill level demonstrated through the math placement process. We will cover the sections 1 -9 of the textbook. 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.

**Homework:** It will be assigned regularly. The due date for each homework will be announced as we go along. No late homework is accepted under any circumstances. Homework is the primary tool for learning the material in this class, and should be taken very seriously. Working together with other students on HW is permitted and encouraged.

**Exams:** There will be five exams and a comprehensive final. I will drop the exam with the lowest score. The dates for these exams will be announced at least one week in advance. No make up exam will be given, unless prior arrangements are made with the instructor; missing the final exam yields an F as the final grade for the course.

**Final exam:** It will be held on Wednesday, June 1, in our classroom from 10<sup>30</sup> to 12<sup>30</sup> pm.

**About the class:** All students are expected to conduct themselves with the highest standards of ethics and behavior. Any cheating which includes any unauthorized cooperation on any graded assignments will be dealt with as severely as the College policy allows. Students with repeated absences or tardiness may be dropped from the course. College policy allows a student to be dropped if he/she misses a total of one week of class time. If you cannot attend regularly, on time, and stay for the entire class, you should take this class at another time that fits your schedule. Students must turn off cell phones and any other electronic devices while in class and keep them out of sight. Students are encouraged to ask questions regarding the lecture material and this should be done in a courteous manner by raising your hand. Side conversations between students that disrupt the flow of the lecture will not be tolerated. It is the student’s responsibility to manage his or her academic workload. If a student decides to stop attending the class it is the student responsibility to drop the class. After the census week, it is solely the responsibility of the students to drop themselves through the Office of Admissions; failure to do so may result in a grade of "F" in the class. All students appearing on the grade roster will receive a grade regardless of whether they are attending classes or not.

**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, and (2) be referred to the Vice President of Student Services for further disciplinary action, following due process. For further information on plagiarism, go to the Writing Center website (<http://www.lavc.edu/writingcenter/handouts/plagiarism.html>) and refer to the STANDARDS OF STUDENT CONDUCT AND DISCIPLINARY ACTION in the current Schedule of Classes and Catalog.”

**Access:** If you are a student with a disability requiring classroom accommodations, and have not contacted SSD, do so in a timely manner. SSD is located in the Student Services Annex, Room 175 or call SSD at (818) 947-2681 or TTD (818) 947-2680 to meet with a SSD counselor. If SSD has already sent the memo to instructor confirming accommodations required by student for this class, please meet with me to discuss arrangements.

**Grading:** Your total score will be determined as follows:  
15% Homework  
55% Midterm Exams  
30% Final Exam

The following percentages will guarantee your course grade as follows:

A: 90% - 100% of the total  
B: 80% - 89% of the total  
C: 70% - 79% of the total  
D: 60% - 69% of the total  
F: below 60% of the total

**Financial Aid:** Financial Aid is available! Call (818) 947-2412. Go to the Financial Aid Office in the Student Services Center, first floor. For more info see: <http://www.lavc.edu/financialaid>

**Course Objectives:** Upon completion of this course, the students will develop abilities to do the following: state definitions, postulates and theorems; reason mathematically using deductive and inductive reasoning; write proofs using deductive reasoning; classify geometric shapes and identify figures with shared characteristics; solve quantitative problems applying established definitions, postulates and theorems; construct geometric figures using straightedge and compass.

**Student Learning Outcomes:** Upon successful completion of this course, students will be able to think logically to prove geometric statements.

**Disclaimer:** Please be advised that this syllabus is subject to change at anytime if the instructor considers necessary. You will be notified in class if there will be any changes.

**Tentative schedule Math 120**

<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>
<b>February 8</b> 1.1	<b>9</b> 1.2	<b>10</b> 1.3	<b>11</b> 1.4
<b>15</b> President's Day	<b>16</b> 1.5	<b>17</b> 1.6	<b>18</b> 1.7
<b>22</b> 2.1	<b>23</b> 2.2	<b>24</b> Review	<b>25</b> Exam 1
<b>29</b> 2.3	<b>March 1</b> 2.4	<b>2</b> 2.5	<b>3</b> 2.6
<b>7</b> 3.1	<b>8</b> 3.2	<b>9</b> 3.3	<b>10</b> 3.4
<b>14</b> 3.5	<b>15</b> Review	<b>16</b> Exam 2	<b>17</b> 4.1
<b>21</b> 4.2	<b>22</b> 4.3	<b>23</b> 4.4	<b>24</b> 5.1
<b>28</b> 5.2	<b>29</b> 5.3	<b>30</b> 5.4	<b>31</b> Cesar Chavez Day
<b>April 4</b> Spring Break	<b>5</b> Spring Break	<b>6</b> Spring Break	<b>7</b> Spring Break
<b>11</b> 5.5	<b>12</b> Review	<b>13</b> Exam 3	<b>14</b> 5.6
<b>18</b> 6.1	<b>19</b> 6.2	<b>20</b> 6.3	<b>21</b> 6.4
<b>25</b> 7.1	<b>26</b> 7.2	<b>27</b> 7.3	<b>28</b> 8.1
<b>May 2</b> Review	<b>3</b> Exam 4	<b>4</b> 8.2	<b>5</b> 8.3
<b>9</b> 8.4	<b>10</b> 8.5	<b>11</b> 9.1	<b>12</b> 9.2
<b>16</b> 9.3	<b>17</b> 9.4	<b>18</b> Review	<b>19</b> Exam 5
<b>23</b> Review	<b>24</b> Review	<b>25</b> Review	<b>26</b> Review
<b>30</b> Memorial Day	<b>31</b> No class	<b>June 1</b> Final exam 10 <sup>30</sup> - 12 <sup>30</sup>	<b>2</b>