

# Los Angeles Valley College

## Math 240 Trigonometry

Time: MW 8:00 AM – 9:25 AM

Spring, 2016

## Section 1420

Room: MS 111

**Instructor:** Pr. Jerome Braunstein

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**Phone:** (818) 778-5501

**Office:** MS 112

**Office Hours:** MW 11:00 – 11:45

**Required Materials:** *Trigonometry*, 10<sup>th</sup> Edition, by Margaret L. Lial bundled with My MathLab access code (ISBN-10 0321671775) or MyMathLab with full eText. Access to a computer with Internet access and a MyMathLab-configured browser.

**Supplementary Materials:** You need to bring to every class (including exam days) a compass, protractor, straight edge (ruler), graphing paper, and a scientific calculator (non-graphing) - this type of calculator will be the only calculator allowed for exams. Cell phones may not be used instead of a calculator. You also need your book since I may refer to a specific example or drawing in the book during lecture.

**Prerequisite:** A grade of C or better in both Mathematics 120 and 125 or appropriate skill level demonstrated through the math placement process.

**Catalog Description:** This course covers solving triangles, proving identities, and other practical and theoretical uses of trigonometric functions.

**Plagiarism and Academic Dishonesty:** 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.

**MyMathLab:** MyMathLab engages students in active learning—it's modular, self-paced, accessible anywhere with Web access, and adaptable to each student's learning style.

**Homework:** Homework is an extremely important part of learning mathematics. It is nearly impossible to absorb mathematical concepts by merely watching others complete problems or explain concepts. Each homework assignment must be completed online using MyMathLab. In order to receive full credit for the homework assignments, they must be completed by their due dates. Homework problems may be attempted as many times as desired.

All the homework for a chapter is due the day of the in-class exam on that chapter.

**Quizzes:** Quizzes are designed to test your knowledge of the homework that has been assigned. If students attend class and do all of the homework, the quizzes will be easy. There is one quiz for each covered chapter in the course. Each quiz must be completed online using MyMathLab.. Please note that the quizzes may have time limits and may only be attempted once. Each chapter quiz is due the day of the in-class exam on that chapter.

**Pop Written Quizzes & Homework:** At times, there will be some extra homework problems assigned during class to be turned in at the beginning of the next class. These assignments will not be listed on the MyMathLab site. You need to be in class to get the assignment. There will also be times when a quiz will be given at the beginning of class. You need to show up on time to make sure you have time to finish the quiz. There will not be any make-up for these handwritten quizzes and homework.

**Written Project:** There will be one written project assigned during the second or third week of class that will be based on what you will be learning this semester. The details including when it is due will be given when the project is assigned.

**Exams:** Exams are designed to allow students to demonstrate mastery of the topics presented in the course. Exams will be administered in class and will consist of two-parts – vocabulary and word problems. There will be four (4) chapter tests given in this course. The final exam given in this course will be based on the chapter tests. There are a lot of equations in Trigonometry. It is important to know both when and how to apply each one. Some of them are important to remember. You will remember all parts of solving a problem better by showing all your work everytime – including writing down the formula/equation you are using. Given that, there will be times when I will introduce new equations to you and tell you that you do not need to memorize them. If you need them, I will put them on the test paper. This is in lieu of you having your own study sheets.

**Make-Up/Late work:** No makeup exams, extra credit, quizzes, or homework will be administered or accepted without prior arrangement. No late work will be accepted.

**Final Grade Calculation:** Each homework, quiz, or test will be scaled to the number of points in the chart. For example, if a homework assignment is worth 30 points in MyMathLab, the score will be divided by two to get 15 points. The points for each score will be rounded up.

Each homework chapter is worth 15 points. All 8 chapters of homework together is worth 120 points total.

Each chapter quiz is worth 25 points. All 8 chapters of quizzes together is worth 200 points total.

Chapters 1-2 test is worth 70 points.

Chapters 3-4 test is worth 70 points.

Chapters 5-6 test is worth 70 points.

Chapters 7-8 test is worth 70 points.

All the tests together are worth 280 points total.

The handwritten pop-quizzes and homework is worth 50 points total.

The written project is worth 50 points total

The final is worth 300 points total.

The whole class is worth 1000 points.

	<b>Points</b>	<b>Percentage</b>
<b>A</b>	900 – 1000	90.0% - 100.0%
<b>B</b>	800 – 899	80.0% - 89.9%
<b>C</b>	700 – 799	70.0% - 79.9%
<b>D</b>	600 – 699	60.0% - 69.9%
<b>F</b>	0 – 599	0.0% - 59.9%

**Student Learning Outcomes:** Students will be required to solve problems where they must read and extract relevant information, use appropriate mathematical techniques to solve the equation(s), and determine if the solution is correct and meaningful.

**DISCLAIMER - ADULT CONTENT IS COVERED IN THIS COURSE:** Please be advised that you have enrolled in a college-level course. The content of the course, and the discussions surrounding the lessons, may contain controversial, sexual, religious and political content, or otherwise thought-provoking topics. We reserve the right to edit inappropriate language that may appear in this course.

**DISCLAIMER – SUBJECT TO CHANGE:** Please be advised that this syllabus is subject to change at any time at the sole discretion of the instructor.

**Attendance Regulations:** The only students who may attend classes are those who have been admitted to the college and are in approved active status. Students are expected to attend every meeting of all classes for which they are registered. Violation of this regulation may result in exclusion from class as specified in Administrative Regulation E-13. Provisions of Administrative Regulation E-13 include the following:

1. Students who have registered for a class and who do not attend the first meeting of the class forfeit their right to a place in the class. Special circumstances may be considered by the instructor.
2. Whenever absences in hours exceed the number of hours the class meets per week, the instructor will consider whether there are mitigating circumstances which may justify the absences. If the instructor determines that such circumstances do not exist, the instructor may exclude the student from the class.
3. Three cases of tardiness may be considered equivalent to one absence.
4. It is the student's responsibility to consult with an instructor regarding any absences that would alter the student's status in the class. Students enrolled in a course who fail to attend the first class meeting may be dropped from the course by the instructor. Students who will miss the first class meeting must advise the instructor of the absence prior to the first class meeting in order to be assured that they will remain enrolled in the class.

Students are ultimately responsible for dropping the class should they choose to do so. Failure to do so may result in a grade of "F" in the class.

**Accommodation Statement:** 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.

**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:

<http://www.lavc.edu/financialaid/index.html>.

Tentative Schedule for Math 240 Section 1420 Spring 2016

		Sections covered	Tests	When
Week 1	2/8 – 2/11	1.1, 1.2, 1.3, 1.4		
Week 2	2/15 – 2/18	2.1, 2.2		
Week 3	2/22 – 2/25	2.3, 2.4, 2.5		
Week 4	2/29 – 3/3	3.1, 3.2	Chapters 1 and 2	Wed., 3/2
Week 5	3/7 – 3/10	3.3, 3.4, 4.1		
Week 6	3/14 – 3/17	4.1, 4.2, 4.3		
Week 7	3/21 – 3/24	4.4, 4.5, 5.1		
Week 8	3/28 – 3/31	5.2, 5.3	Chapters 3 and 4	Wed., 3/30
Week 9	4/11 – 4/14	5.4, 5.5, 5.6		
Week 10	4/18 – 4/21	6.1, 6.2, 6.3		
Week 11	4/25 – 4/28	6.4, 7.1	Chapters 5 and 6	Wed., 4/27
Week 12	5/2 – 5/5	7.2, 7.3, 7.4		
Week 13	5/9 – 5/12	7.5, 8.1, 8.2		
Week 14	5/16 – 5/19	8.3, 8.4, 8.5		
Week 15	5/23 – 5/26	8.6	Chapters 7 and 8	Wed., 5/25
Final Exam				