

West LA College  
Course Syllabus Math 241

Instructor: Dr. Jeremy Jankans

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Room: MSA 104

Class Time: M-TH 11:10am – 12:15pm MSA 104

Office Hours: M 1:00pm – 2:15pm CE 205

T/TH 2:30am – 4:00pm MSB 213

W 2:30am – 4:00pm MSB 213

Prerequisite: Math 123C, 125, or 128 with a grade of at least “C” or the equivalent.

Purpose of this course:

This course of analytical trigonometry includes solutions of triangle problems, radian measure, graphs of trigonometric functions, trigonometric equations, identities, polar coordinates and inverse trigonometric functions and complex numbers.

Learning Resources:

Required Text: Trigonometry, 5<sup>th</sup> Edition, McKeague and Turner, Thomson

Free tutoring is available at the Learning Resources Center(Library)

Student Learning Outcomes:

Students who successfully complete Math 241 will be able to:

1. Use the trig ratios and the laws of sines and cosines to solve applied problems involving triangles.
2. Graph Sinusoidal functions and use them to model periodic processes.

Attendance:

Attendance is required. If you miss the first week you will be dropped. Too many absences and you will be dropped from the course. Five absences will be considered too many. Missing to many classes will inhibit your ability to do well.

Homework:

Math is not a “spectator sport.” Doing exercises and solving problems outside of class is where you learn the most. Most students will need to spend an hour or more each day, outside of class, plus time on the weekends, practicing math.



Grading Policy:

**Quizzes 10%**

Quizzes will be given every Tuesday at the beginning of class, except for the first week and any week with an exam. The lowest score will be dropped.

**Exams(3) 40%**

There will be 2 exams. The dates and times will be determined later. No make ups will be given.

**Homework 10%**

Homework will be assigned throughout the week and will be collected Tuesday at the start of class. The HW score will be based on completion.

**Final 40%**

The Final Exam will be a two hour exam. It will be cumulative. The date and time of the exam is 12/17 11:30am-1:30pm. The time and day is subject to change.

The letter grade scale will be no worse than a straight scale.

A: 100 %– 90%

B: 89% - 80%

C: 79% - 70%

D: 69% - 60%

F: 59% - 0%

**Schedule:**

Week 1: 1.1 – 1.4, 2.1

Week 2: 2.1 – 2.3

Week 3: 2.4, 2.5, 3.1, 3.2

Week 4: 3.3 – 3.5

Week 5: Review, Exam 1

Week 6: 4.1 – 4.3

Week 7: 4.4 – 4.6

Week 8: 5.1 – 5.2

Week 8: 5.2 – 5.5

Week 9: Review, Exam 2

Week 10: 6.1 – 6.4

Week 11: 7.1 – 7.3

Week 12: 7.4 – 7.6

Week 13: 8.1 – 8.3

Week 14: 8.4 – 8.6

Week 15: Review

This schedule is tentative and may change. I reserve the right to make changes to this syllabus at any time.

HW:

Chapter 1:

1.3 #1 – 71 odd

1.4 #1 – 61 odd

1.5 #1 – 91 odd

Chapter 2

1.1 #1 – 59 odd

1.2 #1 – 89 odd

1.3 #1 – 57 odd

1.4 #1 – 33 odd

1.5 #1 – 41 eoo

Chapter 3

1.1 #1 – 79 odd

1.2 #1 – 81 odd

1.3 #1 – 59 odd

1.4 #1 – 53 odd

1.5 #1 – 57 odd

Chapter 4

1.1 #1 – 67 odd

1.2 #1 – 51 odd

1.3 #1 – 51 odd

1.4 #5 – 29 odd

1.5 #1 – 31 odd

1.6 #5 – 37 odd, 45 – 73 eoo. 75 – 83 odd

Chapter 5

1.1 #1 – 65 eoo

1.2 #1 – 45 odd, 47 – 57 eoo

1.3 #1 – 35 odd. 37 – 53 eoo, 61, 63

1.4 #1 – 47 odd

1.5 #1 – 35 odd

Chapter 6

1.1 #1 – 53 odd, 75 – 79 odd

1.2 #1 – 43 odd, 47, 49, 51

1.3 #1 – 49 odd, 53

1.4 #1 – 25 odd

Chapter 7

1.1 #1 – 25 odd, 33, 37

1.2 #1 – 19 odd, 23 – 31 odd

1.3 #1 – 27 odd

1.4 #1 – 17 odd

1.5 #1 – 43 odd

1.6 #1 – 29 odd

Chapter 8

1.1 #1 – 63 eoo, 65 – 85 odd

- 1.2 #1 – 45 eoo
- 1.3 #1 – 49 eoo
- 1.4 #1 – 35 odd
- 1.5 #1 – 63 odd
- 1.6 #1 – 49 odd