

# DVC – MATH 121 SYLLABUS

## – Class Info

***Trigonometry, Summer 2018***

**3 Units, 6/18 – 7/26**

**Section 1030 : M T W Th, 10:30 – 12:35**

**Room MA 251**



**Instructor: *Mr. Narin***

**Prerequisite: Math 120 (or Algebra 2)**

**Recommended: Geometry**

**Class Website: [www.mathwithsteve.com](http://www.mathwithsteve.com)**

**My Email: [steve@mathwithsteve.com](mailto:steve@mathwithsteve.com)**

## – DVC Math Lab (top floor of Learning Center)

Drop-in tutoring (15-minute sessions):

You can have as many **sessions** as you like, provided you're willing to "wait in line."

Monday thru Thursday: 8:00 am – 8:20 pm

### Group Tutoring

Mon: 11–12:25, 2–3:25, 5–6:25

Tue: 11–12:25, 2–3:25, 5–6:25

Wed: 10–11:25, 12:30–1:55, 4–5:25

Thu: 10–11:25, 1–2:25, 4–5:25

## – Required

**Text:** Charles P. McKeague, *Trigonometry*, Fourth Edition. The book is being provided at NO charge, and will be handed out the first day of class.

**Calculator:** You must bring a calculator to every class meeting. A simple scientific calculator (with *sin* and *cos* buttons) will suffice – the TI is recommended; the simple one costs about \$13. Generally, no calculators or wireless devices are allowed during any quiz or test. But if a calculator is allowed, it cannot be a graphing calculator.

**Email:** As a DVC college student, you are required to check your school email account on a regular basis.

## – Homework

Homework will be assigned at each class meeting (and posted to the *Schedule* link at the class website). Additional problems can be found at the *Online Practice* link. The Schedule also shows when all the quizzes and tests will be given.

Although homework will not be collected and is not part of your grade, **you are nevertheless expected to do it**, and I reserve the right to request to see your homework at any time. If I believe that poor performance on quizzes or tests correlates with lack of homework, you will be asked to drop the class.

The problems I assign are designed to inform you as to what skills and concepts you are supposed to be achieving from this class. In other words, you need to do as much homework as you need to do in order to do well on the quizzes and tests.

## – Grading Components

### Tests – 60%

There will be three major tests. Although there will be true/false and multiple choice questions, the majority are “show your work” questions (with partial credit possible). Every test will have a few extra credit questions. Being that this is a 6-week summer class, and that the Make-up Testing Center is closed for the summer, there will be NO make-ups for any reason.

### Quizzes – 40%

A quiz will be given at the end of each class meeting (except test days). The quizzes cover primarily the previous lecture, *and quite possibly previous quizzes*. I will drop the two lowest scores, but none of the last three. There are no make-ups.

## – Letter Grades

**A** – 90% and up

**B** – 80% to 89%

**C** – 70% to 79%

**D** – 60% to 69%

**F** – below 60%

– Course Objectives

<b>Objectives/Student Learning Outcomes</b>
<p>Students will be able to:</p> <ul style="list-style-type: none"><li>A. State, interpret, and utilize the fundamentals of trigonometry.</li><li>B. Analyze and solve problems that have applications in mathematics, science and engineering.</li><li>C. Develop skills in mathematical analysis.</li><li>D. Apply problem-solving techniques and concepts applicable to the study of analytic geometry and calculus.</li><li>E. Demonstrate an awareness of the inter-relationship between algebra, geometry and trigonometry in the solution of mathematical problems.</li></ul>
<b>Content</b>
<ul style="list-style-type: none"><li>A. Angles - degree and radian measure</li><li>B. Right triangle trigonometry</li><li>C. Trigonometric functions of angles</li><li>D. Trigonometry on the unit circle</li><li>E. Use of hand calculators</li><li>F. Triangles and applications</li><li>G. Vectors and circular motion</li><li>H. Graphs of trigonometric functions</li><li>I. Trigonometric identities</li><li>J. Trigonometric equations</li><li>K. Inverse trigonometric functions</li><li>L. Complex numbers and polar coordinates</li></ul>

*“You can’t direct  
the wind,  
but you can  
adjust the sails.”*

