

**Math 104 – Trigonometry**    *Course Syllabus (4 units)*    **Course #22995**    *Spring 2009*

Class Hours:

MW: 9:50–11:30 am

Room: LA-10 (bldg. 30)



MyMahLab ID: toner71085

Instructor: **Stephen Toner**

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Office: Bldg 30 (Liberal Arts), office “U”

Office Hours: **Mon: 11:40 am - 12:00 pm**

**Tues & Thurs: 7:45 am – 9:40 am**

Spring Calendar:

Feb. 17      Classes Begin

Apr. 13-17    Spring Break

May 8        Last day to drop with a “W” grade

May 25       Memorial Day Holiday

June 13      End of Spring semester

**Prerequisite:** Math 90 with a grade of "C" or better, or eligibility as determined by placement on the VVC assessment exam. **Be sure that you meet this requirement.**

**Required Textbook:** *Trigonometry*, 2<sup>nd</sup> edition, by Dugopolski. This textbook can be purchased new bundled with MyMathLab (an online tutorial) at no extra charge. You may purchase a used textbook, or as an alternative to purchasing the text, MyMathLab can be purchased online at [www.mymathlab.com](http://www.mymathlab.com) for approximately \$50. MyMathLab is strongly recommended for supplemental use by my students.

**Course Description:** Topics include radians, degrees, and angles; angular velocity; circular functions; trigonometric functions and their graphs; inverse trigonometric functions; law of sines and law of cosines; solving right and oblique triangles; solving trigonometric equations; verification of trigonometric identities; sum and difference identities; half-angle and double-angle identities; trigonometric and polar representation of complex numbers; DeMoivre’s Theorem;  $n^{\text{th}}$  roots of complex numbers; vectors; parametric equations; applications.

**You are required to attend class every day.** After 4 hours of absence, you **may be dropped** from this class. It is **your responsibility** to keep your enrollment status current. You risk an “F” if you stop attending without officially withdrawing. Do not bring friends or children to class. **Please turn off any cell phones or pagers during class time (or switch them to silent mode).** No cell phones will be allowed on your desk during exams.

**Homework Policy:** Practice is essential. Each student is expected to spend at least 2 hours doing homework for each hour this class meets. Homework will be checked on exam days while you are taking your exams. I expect you to practice *at least* every-other-odd exercise in your text (#1, 5, 9, 13, etc.) unless otherwise directed. **Scientific calculators** (NOT graphing and symbolic calculators) may be used on portions of some of the exams.

**Grading Policies:** Grades will be based on the average of all exams, homework (HW scores will collectively count as one exam score after the lowest chapter HW score is dropped) and a cumulative final exam. No notes or “cheat sheets” will be allowed on any exam. Any exam not taken will be regarded as a zero. The final exam is both required and comprehensive. The lowest exam score (or homework exam score, or half the final exam) will be deleted prior to computing the term grade. Students are expected to complete all exams during class on the dates and times scheduled and **no make-up or re-take exams will be given.**

**Grading Scale:** **A**=90% or above;    **B**=80%-89.9%;    **C**=70%-79.9%;    **D**=65%-69.9%;    **F**=below 65%

## Tentative Class Schedule

An effort will be made to adhere as closely as possible to this schedule. If we can ever “get ahead” of the pace, we will take the opportunity to do so, just in case we need extra time on other material, later in the course. Test dates are **fixed**, however. They will not change, regardless of our progress through the course.

Sections to be Covered In Class			Sections to be Covered In Class		
M	2/16	Washington Day Holiday – campus closed	M	4/20	4.1
W	2/18	1.1 – 1.2	W	4/22	4.2
M	2/23	1.3	M	4/27	4.3, 4.4
W	2/25	1.4	W	4/29	Review, 5.1
M	3/2	1.5	M	5/4	Review, <a href="#">Test Chapter 4</a>
W	3/4	1.6	W	5/6	5.2 – 5.3
M	3/9	Review, <a href="#">Test Chapter 1</a>	M	5/11	5.4 – 5.5
W	3/11	2.1 – 2.2	W	5/13	Review, 6.1
M	3/16	2.3 – 2.4	M	5/18	Review, <a href="#">Test Chapter 5</a>
W	3/18	2.5, Review	W	5/20	6.2 – 6.3
M	3/23	Review, <a href="#">Test Chapter 2</a>	M	5/25	<b>Memorial Day Holiday</b>
W	3/25	3.1, 3.2a	W	5/27	6.4
M	3/30	3.2b	M	6/1	6.5
W	4/1	3.3 – 3.4	W	6/3	Review, <a href="#">Test Chapter 6</a>
M	4/6	3.5 – 3.6	M	6/8	Review
W	4/8	Review, <a href="#">Test Chapter 3</a>	W	6/10	<a href="#">Final Exam</a>

**Attendance Policy:** Class attendance is not a measure of performance or proficiency. Whether a student is just physically present in the class is not a valid basis for grading. Reference Title 5 Section 55002 of the California Code of Regulations: (A) Grading Policy. The course provides for measurement of student performance in terms of stated course objectives and culminates in a formal, permanently recorded grade based upon uniform standards in accordance with section 55758 of this Division. The grade is based on demonstrated proficiency in the subject matter and the ability to demonstrate that proficiency, at least in part, by means of written expression that may include essays, or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students.

**Statement of Access:** Students with special needs are encouraged to meet with instructors to discuss the opportunity for academic accommodation and be referred to disabled student program and services per Administrative Procedure (AP 3440)