TRIGONOMETRY

MATH 104, SPRING 2011 - SECTION #36030 (4 UNITS)

MON, TUES, WED & THURS, 8:00 AM – 10:40 AM, BLDG. 30, ROOM 6

INSTRUCTOR

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Office Hours	by appointment

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; nth roots of complex numbers; vectors; parametric equations; applications.

PREREQUISITES

Math 90 with a grade of "C" or better, or by eligibility by placement on the VVC assessment exam. You may be asked to provide proof that you have met this prerequisite. Acceptable forms of proof include (but not limited to) VVC Assessment Test results, WebAdvisor or MicroGrade printout, or prerequisite challenge approval.

TEXTBOOK / MATERIALS

TRIGONOMETRY, 2ND EDITION, BY DUGOPOLSKI.

Choice #1: Purchase MyMathLab online for $80, tax included. Electronic access to your text is included.

Choice #2: Purchase MyMathLab from VVC bookstore for $85.65 plus tax (same as choice #1, but you can use your financial aid for the purchase). Electronic access to your text is included.

Choice #3: Purchase the hardcover text at the VVC bookstore for $135 plus tax. MyMathLab access is included in the bundle.

Go to "www.coursecompass.com" and enter the Course Code: **toner04968**.

GRADING

Grades will be based on the average of all exams. No notes or "cheat sheets" will be allowed on any exam. Any exam not taken will be regarded as a zero. The final exam (which counts as two exams) is both required and comprehensive. The lowest 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: [88,100) B: [78,88) C: [70,78) D: [65,70) F: [0, 65)

HOMEWORK

Practice is essential. Each student is expected to spend at least 3 hours doing homework for each hour this class meets. I expect you to be able to do all of the odd exercises in your text unless directed otherwise. Homework will not be collected, however. Scientific calculators (not graphing nor symbolic calculators) may be used on portions of some of the exams.

ATTENDANCE

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 any cell phones or pagers to silent mode during class time. No cell phones will be allowed on your desk during exams. We are here to learn; please refrain from texting during class.

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.

STUDENT 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).

POLICIES

SCHOLASTIC DISHONESTY

While students may work together on the researching of any assignment, it is expected that each of their writing assignments reflect substantial individual effort. Any student who commits plagiarism or is found to have cheated on a scheduled exam is subject to a zero score for that specific exam which may result in a term grade of "F" for this course. Students should be aware that cases of cheating and/or plagiarism will be forwarded to the appropriate college administrator promptly. The college administration has a range of sanctions that may be imposed including, but not limited to, academic suspension or expulsion from the college.

STUDENT LEARNING OUTCOMES

Upon completion of the course the student can:
1. Identify six trigonometric functions and express them as the ratio of the sides of a right triangle.
2. Solve right triangle problems.

EXTRA CREDIT

No extra credit will be granted beyond the established grading scale. Note that the lowest-scoring chapter of chapter tests will be dropped prior to computing the term grade.

VVC SUMMER CALENDAR

Day	Event
06.20	**Class Begins**
07.04	Independence Day Holiday
07.14	**Last day to drop with a "W" grade**
07.28	End of Summer Term

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	06.20	1.1, 1.2		M	07.11	4.1
T	06.21	1.3, 1.4		T	07.12	Review, Test Chapter 3
W	06.22	1.5, 1.6		W	07.13	4.2
Th	06.23	Review, 2.1		Th	07.14	4.3, 4.4
M	06.27	Review, Test Chapter 1		M	07.18	Review, 5.1
T	06.28	2.2, 2.3, 2.4		T	07.19	Review, Test Chapter 4
W	06.29	2.5, 3.1		W	07.20	5.2, 5.3
Th	06.30	3.2		Th	07.21	5.4, 6.1
M	07.04	Independence Day Holiday		M	07.25	Review, Test Chapter 5
T	07.05	Review, Test Chapter 2		T	07.26	6.2, 6.3
W	07.06	3.3, 3.4		W	07.27	6.4, 6.5
Th	07.07	3.5, 3.6		Th	07.28	Test Chapter 6, Final Exam