Great Basin College

Instructor: Gerry Pennington  
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http://www2.gbcnv.edu/profiles/pennington_gerald.html

Class meetings: Monday and Wednesday 11:00am -12:15pm  HTC 123  
Prerequisite: Math 095 or placement into Math 096 or Math 116

A scientific calculator is necessary.

Course Description and Objectives:
Technical mathematics is an applications course related to the work environment.  
The material covered will include fractions, percents, algebraic concepts, geometry, units  
of measure, ratios, graphs, angular measure, trigonometry, circles, and volumes.  
The primary objective of this course is for students to understand and be able to solve  
problems in a shop or laboratory environment.

Expected Course Outcomes (objectives)
Upon completion of this course, students should be able to:

1. Work with decimals and understand the difference between exact and approximate  
   numbers.
2. Comprehend the fundamental concepts of measurement units.
3. Recognize and resolve practical problems involving ratios and proportions.
4. Apply basic mathematics to problem solving.
5. Determine the area and perimeter of simple geometric shapes.
6. Determine surface area and volume of simple three-dimensional objects.
7. Determine the parameters of right triangles using trigonometry.

Assessments:
Frequent exams will be given to measure student retention of the text material and  
lectures. Homework problems will be used to gauge problem solving skills with an emphasis  
on word problems.
Vocal participation is encouraged to insure students can describe math problems in their  
own words.

Homework:
A list of homework problems and study sections will be offered and will  
constitute 20% of the course grade. Homework must be turned in on the due date.

Services for Students with Disabilities:
Great Basin College is committed to providing equal educational  
opportunities to qualified students with disabilities in accordance  
with state and federal laws and regulations, including the  
Americans with Disabilities Act of 1990 and Section 504 of the  
Rehabilitation Act of 1973. A qualified student must furnish  
current verification of disability. The Students with Disabilities  
Office, located in Berg Hall, will assist qualified students with
disabilities in securing the appropriate and reasonable accommodations, auxiliary aids, and services. For more information or further assistance, please call 775.753.2271.

Tests:
There will be four exams. You may use your notes and your calculator.

Grading:
Exams will be worth 20 points and 20 points for the homework, total 100 points. 90-100%=A 80-89%=B 70-79%=C 60-69%=D <60% F

Policy of Academic Integrity:
The NSHE Code (Board of Regents Handbook 6.2.2q) expressly forbids all acts of academic dishonesty, including but not limited to “cheating, plagiarism, falsifying research data or results, or assisting others to do the same”. Academic honesty is expected in this course. All student work must be original and authentic. Students who cheat, copy another's work, or plagiarize from the Internet or other sources will fail the course regardless of other course work and will be subject to dismissal.

Classroom Conduct:
I expect everyone who attends class to participate and be respectful. Do not, read materials for other classes, do homework, chat to other students, listen to iPods, text message, sleep, eat your breakfast, lunch, or dinner, or read newspapers while attending class. Everyone who attends this class has an investment (financially, time, and future goals) in being here. No one is forcing you to take this class. If you do not wish to be here and participate in class the answer is simple. Do Not Come! Take ownership of your education in attending every class on time, participating everyday, doing the best you can on assignments and tests, and not making excuses.

Notice:
If you need help with the material, contact me or visit the Academic Success Center in Room 113 of the EIT building. I'm available by appointment or in the Adjunct Faculty Lounge MCML prior to class meeting 10am. Mon and Wed. The last day to drop this class for no grade is Monday Nov 2nd.

94136: Math 116, Fall 2015

Tentative Class Schedule

Mon 8/31
Wed 9/02 Unit 1

Mon 9/07 Units 2 & 3
Wed 9/09 Units 3 & 4

Mon 9/21 Unit 5
Wed 9/23 Units 5&6
Mon 9/28 Unit 7  
Wed 9/30 Unit 8  
Mon 10/05 Unit 9  
Wed 10/07 Unit 12  
Mon 10/12 Unit 13  
Wed 10/14 Unit 14  
Mon 10/19 Unit 15 & 16  
Wed 10/21 Unit 17  
Mon 10/26 Unit 18  
Wed 10/28 Unit 20 & 21  
Mon 11/02 Unit 23  
Wed 11/04 Unit 24  
Mon 11/09 Unit 25  
Wed 11/11 Unit 26  
Mon 11/16 Unit 27  
Wed 11/18 Unit 28  
Mon 11/23 Unit 29  
Wed 11/25 Unit 30  
Mon 11/30 Unit 31  
Wed 12/02 Unit 32  
Mon 12/07 Unit 33  
Wed 12/09 Unit 34  
Mon 12/13 Unit 35  
Wed 12/15 Unit 35  
Mon 12/15 REVIEW 
Tue 12/15 REVIEW 
Final TBA