

Prerequisite MATH 116 with a C or better; or placement into the course via ACT score and MPE exam.

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Office Hrs MWF 1:15 – 1:45; TR 1:15 – 2:15; or by appointment.

Text Save your money. No text is required. Course notes will be provided in pdf format at <http://people.wku.edu/david.neal/117/>

Course Description **MATH 117** is an introduction to the theory and application of trigonometry.

The course does not count as credit toward a mathematics major or minor, but it does satisfy the General Education Math requirement in Category D–II. Together, MATH 116 and MATH 117 are equivalent to MATH 118.

Gen. Ed. Disclaimer The General Education goal of this course is to provide students with the ability to understand and apply mathematical skills and concepts. After completing MATH 117, students should be able to use fundamental mathematical reasoning principles; use graphical, symbolic, and numeric methods to solve practical problems; and interpret information presented in tables or graphical displays.

Calculator A scientific calculator with the standard trig functions will be needed.

Due to the unfortunate epidemic of students using calculators to view stored cheat sheets during exams, no *graphing* calculators will be allowed on tests or quizzes.

Homework/Quizzes Homework will not be collected or graded. There will be daily quizzes throughout the semester based on the previous class's material.

Attendance Policy

Registration in this course obligates you to be regular and punctual in class attendance. Therefore, every student is expected to attend every class. If you miss a class, then you must provide a legitimate, documented, written excuse upon returning to class in order for the absence to be excused. If you accrue two *unexcused* absences, then you will automatically receive an F in this course if you do not withdraw on your own.

Please be aware that a note stating that you visited Student Health Services does not guarantee an excused absence unless it specifically states that you had a serious ailment that prevented you from attending class. This applies, in particular, if you feel a little nauseous because you have to take a test for which you haven't studied, and you skip the test and run to get a note that says you visited Student Health Services. You will not be given a make-up exam unless the attending physician provides documentation that you had a serious impediment such as: a heart attack, a stroke, a burst appendix, a seizure or coma, a broken femur, you went into labor, etc.

Tests

Each test will be based on class lectures and distributed study sheets. A practice test with solutions will be provided about a week and a half in advance of each test. The tests will be closed-book with no formula sheets allowed. A certain portion of each test may be so that *no calculators are allowed*.

Test Dates

Test 1: Fri Feb 12 **Test 2:** Fri Mar 5 **Test 3:** Fri Apr 2 **Test 4:** Fri Apr 23

Final Exam: Friday May 14 10:30 AM – 12:30 PM.

On test days, the classroom is a testing zone. Do not bring any open notes into the classroom. If you do so, then you will be asked to leave and you will not be given a test. Do not at any time look at or use your cell phone in the classroom. If you do so, then you will be asked to leave and your test will not be graded.

Make-Up Policy

Students are expected to take all tests and quizzes in class on the days that they are scheduled. No rescheduling will occur. All requests for taking tests or quizzes at other times will be denied. Your desire to attend another event will not be cause for me to give you a make-up because this class takes priority over all other events scheduled at this time including travel to or from other activities. If you desire to attend another event, then you should cancel, re-schedule, or request to be excused from that event so that you can take your scheduled exam or quiz.

Make-ups exams will be given only to students who miss due to a documented physical ailment, such as those described in the Attendance Policy, or due to some other documented calamity such as an earthquake, being trapped in wreckage after an automobile accident, etc. But the make-up will have to be scheduled at *my* convenience due to the time required for me to draft a new exam and due to the block of time required of me to proctor a make-up.

Grading Policy

In order to receive a passing grade for this class, you must demonstrate that you have learned the material and that you have learned it well. The grades will be weighted as follows:

Quizzes: 12.5% **Four Tests:** 17.5% each **Final Exam:** 17.5%

If you score below 75% on any test or on your overall quiz average, then you will automatically receive an F. Otherwise, grades will be determined as follows:

A: Average $\geq 95\%$ **B:** $87.5\% \leq \text{Avg} < 95\%$ **C:** $80\% \leq \text{Avg} < 87.5\%$ **F:** Avg $< 80\%$

Curves to this grading scale will be reserved solely for students who have *zero* unexcused absences.

Withdrawal Date

March 19, 2010 is the last day to withdraw from the course with a grade of W or to change enrollment from credit to audit.

Mathematics Tutor Lab

For free extra help in the class, tutors are available in the Math Lab in STH and in the Student Learning Center. Please check at these facilities for the specific times and availability of tutors.

Disability Services

Students with disabilities who require accommodations, academic adjustments, and/or auxiliary aids or services for this course must contact the Office for Student Disability Services in DUC A-200. The OFSDS telephone number is 745-5004 (or 745-3030 TTY). Please do not request accommodations directly from the professor without a letter of accommodation from the Office for Student Disability Services.

Please feel free to see me if you ever need any other help with the class or if you'd like to discuss any other matter. Good luck in the course!