Math 150 Plane Trigonometry

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June 6, 2019
Summer 2019
Gen Richard B Myers Hall 213
Monday-Friday 11:30-12:30

Textbook
The textbook is available free of charge on the canvas page.

Calculator
Calculators will be permitted for parts of the exams, but all work will need to be shown to earn full credit. For some of the exam and homework problems you may need the use of a calculator with keys equivalent to the following: sin, cos, tan, INV, and $y^x$. Most of the relevant calculations for the homework can also be done using Google calculator.

Grading
There will be a total of 750 points for this course. Each midterm exam will be worth 90 points, the final exam will be worth 180 points, homework assignments will total 120 points, and 180 points for attendance, in class participation, and quizzes. While individual assessments may not necessarily be out of the point totals above, scores will be weighted appropriately to fit this breakdown. The grading scale used will be the standard 90/80/70/60 scale for determining letter grades. A curve may be used for determining the overall letter grades with the goal of a more fair and balanced distribution of grades for the students. This curve will be determined after all grades have been entered for all students in this course. There is no guarantee any curve for this course will be given.

Examinations
There will be four exams given in this class. All exams will take place during the same time and place where class is normally held. Three hour long midterms will happen on the following days: Tuesday June 25th, Wednesday July 10th, and Monday July 22th. The final for this class will be on the last two days of class. For each exam day you will be allowed a standard 3 by 5 notecard (front and back) to put any formulas, diagrams or notes you think will help with that exam.

Missed Exams
If you expect to miss a midterm exam for a legitimate reason (illness or hospitalization, for example), please notify me as soon as possible. If I deem the absence excusable, then you will have your other exams weighted to make up for the missing one or a alternative exam will be taken at an agreed upon time.

Homework
Assignment are due by 2pm on Friday every week, except for Wednesday of the last week. Assignments should be turned into the homework boxes located in Cardwell Hall across from the Math Main Office. There will be a box labeled with Math 150, my name, and the time the class meets. Please write your name, the class, my name, and the homework number in the top right hand corner of the first page. Please write neatly and legibly, and present you answers in an organized and coherent form. Grades will be assigned based on completeness of the assignment, organization and neatness of the work, and correct solutions for each problem. No late work will be accepted.
Help Sessions
Help sessions are held in Cardwell 41. The schedule will be posted on the Math Help Board next to Cardwell 121 and online at https://www.math.ksu.edu/courses/help/helpsche.pdf.

Statement Regarding Academic Honesty
Kansas State University has an Honor System based on personal integrity, which is presumed to be sufficient assurance that, in academic matters, one’s work is performed honestly and without unauthorized assistance. Undergraduate and graduate students, by registration, acknowledge the jurisdiction of the Honor System. The policies and procedures of the Honor System apply to all full and part-time students enrolled in undergraduate and graduate courses on-campus, off-campus, and via distance learning. The honor system website can be reached via the following URL: www.ksu.edu/honor. A component vital to the Honor System is the inclusion of the Honor Pledge which applies to all assignments, examinations, or other course work undertaken by students. The Honor Pledge is implied, whether or not it is stated: ”On my honor, as a student, I have neither given nor received unauthorized aid on this academic work.” A grade of XF can result from a breach of academic honesty. The F indicates failure in the course; the X indicates the reason is an Honor Pledge violation.

Statement Regarding Students with Disabilities
Any student with a disability who needs a classroom accommodation, access to technology, assistance during an emergency evacuation, or other assistance in this course should contact the Student Access Center (202 Holton Hall, 532-6441, accesscenter@k-state.edu , www.k-state.edu/accesscenter ) and/or the instructor. The Student Access Center serves students with a wide range of disabilities including, but not limited to, physical disabilities, sensory impairment, learning disabilities, attention deficit disorder, depression, and anxiety.

Statement Defining Expectations for Classroom Conduct
All student activities in the University, including this course, are governed by the Student Judicial Conduct Code as outlined in the Student Governing Association By Laws, Article VI, Section 3, number 2. Students who engage in behavior that disrupts the learning environment may be asked to leave the class.
Monday June 10 1.1: Measure of an Angle
Tuesday June 11 1.2: Right Triangle Trigonometry
Wednesday June 12 1.3: Solving Right Triangles
Thursday June 13 2.1: Basic Analytic and Vector Geometry
Friday June 14 2.2: Trigonometric Functions
Monday June 17 2.2: Continued
Tuesday June 18 2.3: Trigonometric Identities
Wednesday June 19 2.4: Graph of Trigonometric Functions
Thursday June 20 2.4: Continued
Friday June 21 2.5: General Sinusoidal
Monday June 24 Review
Tuesday June 25 Exam 1
Wednesday June 26 2.6: The Inverse Trigonometric Function
Thursday June 27 2.7: Trigonometric Equations
Friday June 28 2.7: Continued
Monday July 1 4.1: Addition and Subtraction Formulas
Tuesday July 2 4.2: Multiple Angle Formulas
Wednesday July 3 4.3: Sums and Product Formulas
Thursday July 4 No School, Holiday
Friday July 5 3.1: Applications to Vector Geometry
Monday July 8 3.1: Continued
Tuesday July 9 Review
Wednesday July 10 Exam 2
Thursday July 11 3.2: Applications to Vector Geometry
Friday July 12 3.2: Continued
Monday July 15 3.3: Polar Coordinates
Tuesday July 16 5.1: Complex Number Arithmetic
Wednesday July 17 5.2: Geometry of Complex Numbers
Thursday July 18 5.3: Powers and Roots
Friday July 19 Review
Monday July 22 Exam 3
Tuesday July 23 6.1 Parabolas
Wednesday July 24 6.2 Ellipses
Thursday July 25 6.3 Hyperbolas
Friday July 26 In-Class Work
Monday July 29 Review
Tuesday July 30 Review
Wednesday July 31 Review
Thursday August 1 Final
Friday August 2 Final