Trigonometry Math 1613 Fall 2010

Tues/Thurs 2.00 - 3.15 Stout Hall 044 (basement)

- Instructor: Amit Ghosh
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University Catalog Description

Prerequisite(s): 1513 or equivalent, or concurrent enrollment. Trigonometric functions, logarithms, solution of triangles and applications to physical sciences. No credit for those with prior credit in 1715 or any course for which 1613 is a prerequisite.

Course Objective

Students will investigate triangles (right triangles) and circles. There will be an emphasis on gaining a deep conceptual understanding of topics through visual representations.

Required Book and Materials

The book that will be used is Analytic Trigonometry with Applications, 9th edition by Barnett, Ziegler, and Byleen. Additionally, you will need a scientific calculator. The Mathematics Department loans (for free) graphing calculators for the semester (Details will be provided).

Course Evaluation

We will have 3 in class midterms, each worth 100 points and are 50 minutes long.

- MIDTERM 1: Sept 23
- MIDTERM 2: TBA
- MIDTERM 3: TBA

There will be a 1hr 50mins comprehensive final exam worth 200 points on Thursday December 16 from 2.00-3.50 pm.

I will hand out special homeworks on Thursdays that will be collected the following Tuesday (do not be late) and will be graded. These homeworks will be worth 200 points. In addition, I give out homework problems at every class and these are not graded.

Grading

There will be no makeup exams unless your circumstances are very unusual (documemtation may be needed). Your grade will be based on 100 x 3 for the 3 midterms, 200 for homework and 200 for the final. Students who achieve at least 90% are guaranteed to receive an A. A score of at least 80% will receive at

least a grade of B. A score of at least 70% will receive at least a C, and students with scores at 60% or above will be assured of passing. The Midterms and Final Exam has a minimum grade of 35%. Some discretion may be used in deciding borderline cases, based on my subjective judgment of students' effort and performance.

STUDY HINTS

Go to every class meeting and get help when you need it! Don't be afraid to ask questions, in class or out of class. The MLRC is available for tutoring and I am anxious to help you. But only you will know when you need it. I will likely not know you need help until after an examination, which is often too late. Do the homework! As soon as possible after class, review your notes and make an outline of the class notes paying particular attention to the definitions and theorems discussed that day. Redo the examples from class in light of your outline. Then do the homework problems. Work out homework problems on scratch paper before looking at the answers in the book. Concentrate on what you are doing rather than being distracted by the radio, TV, or conversation with friends. On average you should expect to spend a minimum of three hours on homework for every class period. However you should not be discouraged if it takes you longer to complete the homework assignments. In addition, extra time will be needed to study and review for examinations.

Additional information

Office of Student Disability Services (315 Student Union) - According to the Americans with Disabilities Act, each student with a disability is responsible for notifying the University of his/her disability and requesting accommodations. If you think you have a qualified disability and need special accommodations, you should notify the instructor and request verification of eligibility for accommodations from the Office of Student Disability Services. Please advise the instructor of your disability as soon as possible, and contact Student Disability Services, to ensure timely implementation of appropriate accommodations. Faculty have an obligation to respond when they receive official notice of a disability but are under no obligation to provide retroactive accommodations. To receive services, you must submit appropriate documentation and complete an intake process during which the existence of a qualified disability is verified and reasonable accommodations are identified. Call 405-744-7116 or go to www.okstate.edu/ucs/stdis/

ACADEMIC INTEGRITY POLICY: Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, c heating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript, and being suspended from the University. You have the right to appeal the charge. For a brief overview of the policy you can watch the video or contact the Office of Academic Affairs, 101 Whitehurst, 405-744-5627, academicintegrity.okstate.edu.

Any changes to this syllabus will be announced in class.

The http://osu.okstate.edu/acadaffr/aa/PDF%20Files/sylatspr.pdf contains useful information concerning important dates, academic integrity and students with disabilities, and much else.