

Math 1523(002) Trigonometry

Spring 2013

Instructor: Ms. Rebecca Miller

Office: PHSC 1008

Office Hours: MW @ 2:30 p.m. – 3:30 p.m.(PHSC 1008), or by appointment

E-mail: rmiller@math.ou.edu (checked daily)

Course Content: Mathematics 1523 is designed to prepare students for engineering calculus. This course serves as the prerequisite course for MATH 1823 or 1743. **If you are uncertain about the suitability of this course for your major, please consult your advisor immediately.** The focus is on functions and their properties, including especially trigonometric functions. Also covered are conics, counting, and limits. This course may be used to satisfy the mathematics component of the University's General Education program.

Prerequisite: A student must either successfully complete MATH 1503 or an equivalent course, or the student must make a satisfactory score on the placement examination before entering this course, or have an appropriate score on the ACT or SAT examination.

Required Materials:

Text (Required): *Precalculus* 4th Edition, by Robert Blitzer, ISBN# 978-0-321-55984-5 or eBook from MyMathLab. Students are expected to bring the text to each class meeting.

Calculator (Required): A graphing calculator is needed for this course. A TI-83 or TI-84 is preferred. Calculators with symbolic manipulation, such as a TI-89 or a TI-92, are not allowed. **YOU WILL NEED TO BRING YOUR CALCULATOR TO EACH CLASS MEETING AND BE PREPARED TO USE IT. YOU WILL ALSO NEED IT FOR HOMEWORK AND EXAMS.**

Additional Materials: Study Guide (yellow) from the Bookstore, paper for notes, and pencils.

Homework: For homework, there will be 11 homework assignments given on Mondays that cover class material. Each one will be worth 7 points (3 pts for completion and 4 pts for 4 problems chosen at random [1pt each]). These worksheets will be due per the dates listed on the schedule (attached). **Late homework will not be accepted.** Your best 9 homework scores will be used to calculate your semester homework score. To receive the full points, students must do the following:

- Show legible work not just write the answer
- Write problems in sequential order
- Staple papers together with your name written legibly on the top right corner
- Circle or box answers.

Exams: There will be three 100-point evening examinations during the semester. The dates of the exams are posted on D2L and the attached schedule. Each exam will consist of 16 multiple-choice questions and 4 long answer questions. Exams will be on the dates listed in the schedule in DALE 200 at 7:30 p.m..

The only absolutely acceptable reason for a make-up will be a normally scheduled class or university-sanctioned activity on Thursday night. All other requests will be considered on an individual basis. All requests for make-ups must be submitted in writing using the request form located on the back of this syllabus. **All requests for make-up exams MUST be submitted by 5 p.m. on Tuesday of exam week.** Make-up exams will be offered at 7:20 a.m. on Thursday, exam day. Special arrangements may be made by contacting the course moderator, Mr. Laniel Gibson, as soon as possible. Instructors do not make decisions about make-ups; such decisions will be made solely by the course moderator.

Uniform Final Examination: The final examination for this class is comprehensive and will be worth 200 points. It will consist of 22 multiple-choice questions and 6 long answer questions. The final will be given only at the scheduled time listed on the scheduled syllabus.

Grading:

A = 537 pts to 600 pts,
B = 477 pts to 536 pts,
C = 417 pts to 476 pts,
D = 357 pts to 416 pts,
F = 0 pts to 356 pts

<u>Grade Evaluation Basis</u>	<u>Weighted Value</u>
Exam 1	100 points
Exam 2	100 points
Exam 3	100 points
Final Exam	200 points
Homework (9 Assignments x 7 points)	63 points
Quizzes (3 x 10 points)	30 points
Class Participation	7 points
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Total	600 points

Attendance Score: Attendance will be taken at the beginning of each class. If you arrive late, it is your responsibility to ensure you are marked present on my attendance sheet. Regular classroom attendance is not only expected but is a necessity for success in this course. If a student must be absent from a class due to illness or an emergency, it is their responsibility to obtain the notes and assignments which they have missed. You may miss class four times without affecting your score. Each day you are marked absent in excess of 4 class periods, 2 points will be deducted from your score.

Academic Misconduct: Any cases of academic misconduct will be strictly dealt with according to the University of Oklahoma Student Code. All cases of academic misconduct will be reported to the Dean of the College of Arts and Sciences for adjudication. Students are encouraged to visit (and are expected to be aware of) the Provost's webpage on academic integrity, found at <http://www.ou.edu/provost/integrity/>. Please be especially aware of the information on calculators.

Special Accommodations: Any student in this course who has a disability that may prevent her/him from fully demonstrating her/his abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate her/his educational opportunity. All accommodations will be made at the suggestion of, and with the approval of the Office of Disability Services, 620 Elm, Room 166.

Advice: Students who attend class, work problems on a regular frequent basis, and get help as needed are the students who succeed in this course. Those who do not are generally not successful. I encourage students to work together. Except, when it comes time to writing up the solutions, be sure you do that all by yourself.

Math is incredibly sequential. If you have problems, come see me right away during my office hours or by scheduling an appointment. There is also help available at the Mathematics Center in PHSC 209.

Questions: All questions, problems, complaints, and requests should be directed to the course moderator, Mr. Laniel Gibson, at 325-3062, or gibby@ou.edu. Please include your name, ID#, and course number with section in all messages.