MATH 1523 Syllabus
Precalculus and Trigonometry

COURSE DESCRIPTION: This course covers the following concepts:

- Algebra Review
- Angles and Their Measure and Trigonometric Functions
- Right Triangle Trigonometry and Trigonometric Functions of Any Angle
- Graphs of the Sine, Cosine, and Other Trigonometric Functions
- The Inverse Trigonometric Functions and Applications of Trigonometric Functions
- Verifying Trigonometric Identities and Sum and Difference Formulas
- Double-Angle, Power Reducing and Half-Angle Formulas, Product-To-Sum Formulas, and Trigonometric Equations
- The Law of Sines and Cosines
- Polar Coordinates, Graphs of Polar Equations, Complex Numbers in Polar Form, and DeMoivre's Theorem
- Vectors and the Dot Product
- The Ellipse and the Hyperbola
- The Parabola, Conic Sections, and Analytic Geometry
- Sequences and Summation Notation and Arithmetic Sequences
- Geometric Sequences and Series and The Binomial Theorem

REQUIRED TEXT & MATERIALS:

This can be obtained by the CIDL online bookstore or can be purchased through registration on MyMathLab. The e-text IS a part of your MyMathLab purchase.

1. Required Study Guides are available online posted under the Content tab in your Canvas course.
2. Calculator: You will need a graphing calculator; the **TI-83 or TI-84** is required by the instructor. The TI-81 and TI-82 are not acceptable. Calculators with symbolic manipulation, such as the TI-89, are not allowed.
3. MyMathLab is **REQUIRED** for this class. See your registration instructions posted on your learn page, Canvas, learn.ou.edu

All decisions made in this class will adhere to this syllabus.
You are responsible for reading and following all policies stated in this syllabus.

PREREQUISITE:
A student must either successfully complete MATH1503 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.
**GRADING**
Your course grade will be based on a 650-point scale.

<table>
<thead>
<tr>
<th>Points</th>
<th>Assignment</th>
<th>Score Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 pts</td>
<td>MyMathLab Homework</td>
<td>585 PTS - 650 PTS</td>
<td>A</td>
</tr>
<tr>
<td>100 pts</td>
<td>Quizzes</td>
<td>520 PTS - 584 PTS</td>
<td>B</td>
</tr>
<tr>
<td>100 pts</td>
<td>EXAM ONE</td>
<td>455 PTS - 519 PTS</td>
<td>C</td>
</tr>
<tr>
<td>100 pts</td>
<td>EXAM TWO</td>
<td>390 PTS - 454 PTS</td>
<td>D*</td>
</tr>
<tr>
<td>100 pts</td>
<td>EXAM THREE</td>
<td>0 PTS - 389 PTS</td>
<td>F</td>
</tr>
<tr>
<td>200 PTS</td>
<td>FINAL EXAM</td>
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<tr>
<td>650 PTS</td>
<td>POINTS POSSIBLE</td>
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*A D indicates you are missing some important concepts and should consider repeating this course for a better foundation before attempting the next course.

**EXAMINATIONS**
There will be three 100-point examinations during the semester. Each of the regular exams requires the completion of prerequisite assignments. See your schedule. Test One is 35 questions, the other two regular exams have 25 questions; multiple choice and short or long answer/fill in blank.

The final examination for this class is comprehensive and will be worth 200 points. It is online and will consist of 30 questions, a mixture of multiple choice and short or long answer/fill in blank. If your final examination score is higher than your calculated course average, the final exam grade will be your semester grade.

All exams in this course are proctored exams. You may take them at CIDL, another testing center, or online through the ProctorU service (fee required). Make sure to read the information about taking your exams located in your course in Canvas.

**EXAMINATION STUDY SUGGESTIONS**
Complete and master all homework problems as they are assigned. Since homework can be worked up to three times, it is possible to score perfectly on the homework; however, you cannot proceed to the next assignment without first scoring at least 80% on the homework. PRACTICE as much as possible by working the homework. Make sure you can successfully work the homework problems without assistance before the exam.

Get help as soon as you need it. There are several sources of assistance.

1. MyMathLab has several features on the homework, like "Show me an example," and there is an “Ask your Instructor” feature in MyMathLab on some problems.
2. The Mathematics Department Office has an approved tutor list available on request.

Review early. Make sure you understand the stated objectives. Anticipate questions you expect
to see on the exam. Make sure you will recognize the necessary steps to solve each type of problem from the homework. Complete your practice exams. Write and work your own exam. Leave no gaps in your understanding. The exam questions are designed to reward the students who have completed ALL of the homework concepts.

VIDEO LECTURES
I have recorded a video lecture for every single lesson in this course. You are expected to view every lecture I have recorded and will likely perform better in this course if you do. Those students that watch the lectures, follow along with the corresponding study guide and complete their work in MyMathLab will do very well in this course.

OFFICE HOURS
Since this course is an online course, there are no formal office hours. The best way to get help when you need it is to access the features in each problem on MyMathLab, and in those features is an "Ask your instructor" feature, which sends me an email. I will respond to those within a day or so.

TUTORING
University College offers Action Tutoring. Information is available at http://www.ou.edu/univcoll/home/academic_resources/Action_Tutoring.html. Have specific questions ready for the tutors when you go. If you are unable to do two or more problems on the homework assignment, you should get help ASAP.

ACADEMIC INTEGRITY
As a student taking a course at the University of Oklahoma, you are expected to uphold the academic integrity code. Please visit http://integrity.ou.edu and familiarize yourself with the standards you will be held to while taking your course.

RELIGIOUS OBSERVANCE
It is the policy of the University to excuse the absences of students that result from religious observances and to reschedule examinations and additional required classwork that may fall on religious holidays, without penalty.

REASONABLE ACCOMMODATION POLICY
Students requiring academic accommodation should contact the Disability Resource Center for assistance at (405) 325-3852 or TDD: (405) 325-4173. For more information please see the Disability Resource Center website http://www.ou.edu/drc/home.html. Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.

TITLE IX RESOURCES AND REPORTING REQUIREMENT
For any concerns regarding gender-based discrimination, sexual harassment, sexual misconduct, stalking, or intimate partner violence, the University offers a variety of resources, including advocates on call 24/7. To learn more or to report an incident, please contact the Sexual Misconduct Office at 405-325-2215 (8 to 5, M-F) or OU Advocates at 405-615-0013.
(24/7). Also, please be advised that a professor/GA/TA is required to report instances of sexual harassment, sexual assault, or discrimination to the Sexual Misconduct Office. For more information, please see http://www.ou.edu/eoo.

CLASSWORK
1. Homework assignments and/or quizzes will be made regularly from each section of the text covered in the class videos. Even though all homework is online, it is NECESSARY for you to work out the problems on paper, prior to recording your answers online. Since homework can be worked up to three times before deadlines, it is possible to score perfectly on the homework; however, it is necessary that you score at least an 80% on each homework before you can move on to the next assignment. PRACTICE as much as possible by working the homework. A portion of each exam and the final will be short answers, not all are multiple choice, so it is a good practice to write out all of your work and be able to show all your work.

2. There will be online quizzes, all to total the 50 points in the grading scale above. The quiz questions will be patterned after the questions in the homework and this study guide. The schedule of quizzes is posted on Canvas. Each quiz will be timed and must be completed before you can move on to the next assignment.

3. Before you do the exercises, you should access the link to the lecture for each section of the homework. Read each lesson in your textbook and use the referenced examples when appropriate! **For each lesson, you should expect to spend at least 2-3 hours on homework assignments and study time.**

4. **It is highly recommended that you complete each and every module within 2 weeks to stay on a schedule that will insure your success.**

Email AND Canvas AND MyMathLab
You are expected to check your email account on a regular, frequent basis. Since Canvas and MML are both required, Canvas will be used to provide updates on the course and to post grades. **You are responsible for all messages sent via email.**

QUESTIONS
All questions, problems, complaints, and requests should be directed to your course instructor whom you can email directly from the roster tab in Canvas.

**NOTE:** Please be sure to include your name and course and student ID number on all correspondences.

**In general, students who view all video lectures, work problems on a regular frequently scheduled basis, study regularly and get help as needed are the students who succeed in this course. Do not assume that this material is all review.**