Math 125 - Section 03 - Basic Mathematics for Science & Engineering, Spring 2016
Meeting Times: T/Th 8:00 - 9:15 am, Hume 107

Instructor: Stephan Roberts  Office: Hume 211
Office Hours: T/Th 9:30-10:30 am  Email: scrober2@olemiss.edu

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**Materials**

MyMathLab Algebra & Trigonometry by Trigsted Student Access Kit, 2/E (ISBN: 9780321923752)

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**Course Content and Goals**

Students who successfully complete Math 125 will be able to solve a variety of algebraic equations; manipulate rational expressions; solve polynomial and rational inequalities; identify, evaluate, combine, and compose functions; find the inverse of one-to-one functions; identify the vertex and x-intercepts of quadratic functions; find the equations of the vertical, horizontal, and slant asymptotes of rational functions; solve exponential and logarithmic equations; expand and condense logarithmic expressions using properties of logarithms; work with angles in degree or radian measure; write the ratio definitions of the six trigonometric functions; evaluate trigonometric functions of angles; evaluate inverse trigonometric functions; verify fundamental trigonometric identities; and solve basic trigonometric equations.

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**Tests, Homework, Final Exam**

1. There will be five major tests, not counting the final exam, during the semester. Each test is worth 100 points. The test questions will be similar in format to the examples in class and the homework problems. The lowest test grade will be dropped.

2. Online homework (MyMathLab) will be given throughout the semester and will count for a total of 100 points. Late MyMathLab assignments may be turned in up until the end of the semester for half credit. The two lowest homework assignments will be dropped at the end of the semester.

   See handout for registration instructions for MyMathLab

3. The final examination is comprehensive and is worth 200 points. Students will be given a maximum of three hours to complete the final exam.

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**Very Important**

1. If a test is missed for ANY reason, a grade of 0 will be given. There will be absolutely NO make up tests given for ANY reason.

2. Any student who will miss a scheduled test because of an official University function must reschedule and take this test at a time BEFORE the test is scheduled to be given. NO OTHER rescheduling will be allowed.

3. An "I" grade will not be given without the permission of the Department of Mathematics.

4. Students must show all work for each test question and arrive at a correct answer.

5. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by # 3 above. The final exam for Math 125 - Section 3 is at 8:00 am on Tuesday, May 10.
Final Grade

The cumulative total for the course is 800 points - tests: 500, homework: 100, final exam: 200.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage Necessary</th>
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<tbody>
<tr>
<td>A</td>
<td>93%</td>
</tr>
<tr>
<td>A-</td>
<td>90%</td>
</tr>
<tr>
<td>B+</td>
<td>87%</td>
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<tr>
<td>B</td>
<td>83%</td>
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<tr>
<td>B-</td>
<td>80%</td>
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<td>77%</td>
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<td>C</td>
<td>70%</td>
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<tr>
<td>D</td>
<td>60%</td>
</tr>
<tr>
<td>F</td>
<td>below 60%</td>
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**NOTE:** A grade of C or better in Math 261 is required in order to take Math 262.

Attendance Policy

1. Students are allowed 3 absences. Ten points are deducted from the final point total for each absence above the limit.

2. Each student is responsible for signing in each day using the attendance scanner. As you sign in, make sure your scan has been successful. You will be able to sign in from ten minutes before class starts until ten minutes after class begins.

3. Do NOT sign in for your friends or have a classmate sign in for you. **Attendance and identity fraud is a form of academic dishonesty (and it is illegal).** Scanning and leaving before class is dismissed will also be considered academic dishonesty. If you need to leave early, consult with me BEFORE class begins. **Students engaging in attendance and identity fraud will fail the class** and will be reported to the university for further disciplinary action.

Calculators and Electronic Devices

Your brain is a sufficient calculator in Math 125. Electronic devices such as calculators and cellphones are prohibited on tests and the final exam. Use of such devices while taking a test or the final exam will be considered academic dishonesty and appropriate action will be taken.

**NOTE:** All cell phones, laptops, tablets, and other electronic equipment should be turned off during class. Use of such equipment during class will result in dismissal from class.

Cheating

The following statement is the policy of the Department of Mathematics regarding cheating:

**Offenses:** Cheating on any exam, quiz, homework, work to be completed in class; the use of prohibited technology (including cellphones); theft or attempted theft of exam questions; or possession of exam questions prior to the time for examination; shall all be offenses subject to appropriate penalties.

**Penalties:** The penalty for commission of any offense set out above is **failure** in the course without possibility of academic forgiveness and, subject to the approval of the Chancellor, dismissal or suspension from the university.
Withdrawal Deadline for Fall 2014 Semester - Monday, February 5

After the course withdrawal deadline, a student may withdraw from a course only in cases of extreme and unavoidable emergencies as determined by the academic dean. Withdrawing from a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student has changed his or her major. After the course withdrawal deadline, courses dropped will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise, the grade recorded will be F.

Academic Needs

It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Student Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then be happy to work with the student so that a reasonable accommodation of any disability can be made.

Tentative Test Dates

TEST 1: (Tentative Date: February 11)
Sections R.3, R.5, R.6, 1.1, 1.7, 1.4, 1.6

TEST 2: (Tentative Date: March 1)
Sections 2.3, 3.1, 3.5, 3.6, 4.1, 4.3

TEST 3: (Tentative Date: March 29)
Sections 4.4, 4.6, 1.9, 5.1, 5.2, 5.3, 5.4

TEST 4: (Tentative Date: April 14)
Sections 6.1, 6.4, 6.5, 7.1, 7.2, 7.3

TEST 5: (Tentative Date: April 28)
Sections 7.4, 7.5, 8.1, 8.5

Final Exam: (Tuesday, May 10, 8:00am)