SYLLABUS- College Algebra MATH-1111

Location: Boyd 307  Time: MWF: 10:00AM-10:52AM
Instructor: Senmei Yao.  
Office: Boyd 106 E
Phone: 678-839-4738
email: syao@westga.edu

OFFICE HOURS: M: 9:00-10:00am, 2:00-3:00pm  W: 9:00-10:00am, 2:00-3:00pm  
R: 9:00-11:00am, 1:00-3:00pm  F: 9:00-10:00am,  
Additional hours by appointment

COURSE DISCRIPITION:
- 3 hours
- Prerequisite: None.
- This course is a functional approach to algebra that incorporates the use of technology. Emphasis will be placed on the study of functions, and their graphs, inequalities, and linear, quadratic, piece-wise defined, polynomial, rational, exponential and logarithmic functions. Appropriate applications will be included.

TEXT:
Required: Blitzer, Precalculus. 5th edition. Prentice Hall.

Required: scientific calculator. Graphing calculators equivalent to the TI 83, 84, 85, and 86 will be allowed on the exam, as will scientific calculators. The TI-89 and other equivalent calculators will not be allowed.

Learning Outcomes: Students should be able to demonstrate:
1. An understanding of the equations of circles and lines
2. An understanding of functions and how to graph functions
3. An understanding of operations on functions including function composition
4. An understanding of polynomial graphs, including intercepts and end-behavior
5. An understanding of how to find the zeros of a polynomial and how to factor polynomials
6. An understanding of inverse functions and how to find them graphically and algebraically
7. An understanding of the properties of exponential and logarithmic equations
8. An understanding of how to solve exponential and logarithmic equations
9. An understanding of how to solve a system of equations

ATTENDANCE
Regular attendance is expected. The student is responsible for obtaining lecture notes and assignments. It is the student’s responsibility to contact the instructor prior to an absence.

GRADING CRITERIA

<table>
<thead>
<tr>
<th>Homework Assignments</th>
<th>150 points</th>
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<tbody>
<tr>
<td>Ten Quizzes (10 points each)</td>
<td>100 points</td>
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<tr>
<td>Four Unit Exams (50 points each)</td>
<td>200 points</td>
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<td>Comprehensive Final Exam</td>
<td>150 points</td>
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<tr>
<td>Total</td>
<td>600 points</td>
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<tr>
<td>Grade</td>
<td>Percentage</td>
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<tr>
<td>A</td>
<td>&gt;=90%</td>
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<tr>
<td>B</td>
<td>80%-89%</td>
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<td>C</td>
<td>70%-79%</td>
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<td>D</td>
<td>60%-69%</td>
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<tr>
<td>F</td>
<td>&lt;=59%</td>
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**Unit Examinations:** For the date of the exam and the materials which will be covered on the exam, please see “Schedule for Math 1111” on line. Every student is allowed to bring one formula sheet for each unit exam. Examples and solved problems are not allowed to be on the formula sheets.

**Final Examination:** The common final examination will be comprehensive. The final exam for MATH 1111 will be at the regularly scheduled time, as listed in the SCOOP. It will not be on Saturday. No formula sheet is allowed during the final examination.

**Homework:** Students are expected to complete homework using My Math Lab. Student responses will determine questions to be reviewed in class. Homework may be worked on after the due date, but will not be accepted after the test on that the chapter is completed.

**Late Assignments Policy:** Students’ absence will not change the due day. Assignments will NOT be accepted after the due day.

**Makeups:**

- There is no make up for quizzes.
- There is no make up for final exam.
- Official documents are needed in order to make up a unit exam. The student has to contact the instructor before the exam is given. And the make up for a unit exam has to be arranged within 7 days from the date of the exam.

**Other Course Policies:** Other course policies, including information regarding students with disabilities and the UWG Honor Code can be found at http://tinyurl.com/UWGsyllabusPolicies. You should read this at the beginning of each semester.