SYLLABUS - Survey of Calculus MATH-1413-04

Location: Boyd 303  Time: MWF: 1:00-1:52 pm
Instructor: Senmei Yao.  Office: Boyd 106 E
Phone: 678-839-4738
email: syao@westga.edu

OFFICE HOURS:  M: 10:00 am-12:00 pm, 2:00-3:00pm
T: 8:30-9:30 am, 10:30-11:30 am
W: 10:00 am-12:00 pm, 2:00-3:00pm
F: 10:00 am-12:00 pm,

Additional hours by appointment

COURSE DESCRIPTION:
- 3 hours
- Prerequisite: MATH 1111 or MATH 1113, C or better
- This course will provide a survey of the differential and integral calculus of polynomial, rational, exponential, and logarithmic functions with an emphasis on applications to problems from business, economics and life sciences.

TEXT:

Course Compass is required.
Textbook is optional.

Required: My Math Lab: a complete online multimedia resource to help you succeed in learning. The registration code is bundled free of charge with new textbooks. If you do not have a student registration code, you can purchase online access to www.coursecompass.com using a credit card and your instructor's course ID: yao04238


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. The student will be able to compute limits.
2. The student will be able to differentiate polynomial, rational, exponential, and logarithmic functions.
3. The student will be able to apply differential calculus to problems from business, economics, and life science.
4. The student will be able to integrate polynomial, rational, exponential, and logarithmic functions and to apply the Fundamental Theorem of Calculus.
5. The student will be able to apply integral calculus to problems from business, economics, and life science.
6. The student will understand the basic techniques of integration.
Instructors reserve the right to make changes on this syllabus as needed.

<table>
<thead>
<tr>
<th>absences</th>
<th>points</th>
</tr>
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<tbody>
<tr>
<td>0-3</td>
<td>2%</td>
</tr>
<tr>
<td>4-5</td>
<td>1.5%</td>
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<tr>
<td>6-7</td>
<td>1%</td>
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<td>8 or more than 8</td>
<td>0</td>
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**ATTENDANCE:** Attendance will be taken every class day. Students are not allowed to come to class late or to leave early. Three tardies/early leaves are counted as one absence. Absence will not be counted if official document is provided.

**GRADING CRITERIA**

<table>
<thead>
<tr>
<th>Homework Assignments</th>
<th>25%</th>
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<tbody>
<tr>
<td>Quizzes (lowest three will be dropped)</td>
<td>20%</td>
</tr>
<tr>
<td>Four Unit Exams</td>
<td>30%</td>
</tr>
<tr>
<td>Comprehensive Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Bonus (Attendance)</td>
<td>2%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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**Exams:** Exam 1: Feb-05-2016; Exam 2: Mar-02-2016; Exam 3: Mar-25-2016; Exam 4: Apr-15-2016 Need: Green Scantron. No formula sheet is allowed during the final examination.

**Final Examination:** Wednesday, Apr-27-2016, 11:00am-1:30 pm, Green Scantron needed.

The common final examination will be comprehensive. No formula sheet is allowed during the final examination.

**Cellphone policy:** The students are not allowed to use cellphones during the tests or quizzes for any reasons.

**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. If the homework is 70% or better by the date of April-22-2016, then the lowest grade of the four unit exams will be replaced by the grade of the final exam (if grade of the final exam is better).

**Late Assignments Policy:** Students' absence will NOT change the due day of any assignment. Assignments will NOT be accepted after the due day.

**Makeups:**

- There is no make up for quizzes and no make up/reschedule 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.