

# Math 1483 Mathematical Functions and Their Uses

## Summer 2012

**Instructor:** Ms. Ashley Taylor  
**Office:** MSCS 432  
**Office Hours:** MTWR 1:00 to 2:30, or by appointment  
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**Course Description:** Analysis of functions and their graphs from the viewpoint of rates of change. Linear, exponential, logarithmic and other functions. Applications to the natural sciences, agriculture, business and the social sciences.

**Text:** *Functions and Change* by Crauder, Evans, and Noell, 4<sup>th</sup> Edition. Students are expected to bring the text to each class meeting.

**Calculators:** A calculator that makes tables and graphs is required for the course. I suggest a TI-82, TI-83, or TI-84. You may use a different calculator but I may not be able to help you with it. If you do not own one, you can purchase one for about \$80 at wal-mart. You may also check one out from the Mathematics Department in MSCS 401.

YOU WILL NEED TO BRING YOUR CALCULATOR TO EACH CLASS MEETING AND BE PREPARED TO WORK ALONG WITH ME. YOU WILL NEED IT FOR HOMEWORK AND EXAMS.

**Homework:** Homework will be assigned over each section covered in class. Ideally, homework should be completed by the student for the next class meeting so at this time any questions can be discussed. Homework will be turned in every Friday at the beginning of class for selective grading. *Homework should be neat, stapled and well organized.* Late homework will not be accepted for any reason. Your best 10 homework scores will be used to calculate your semester homework score.

**Exams:** There will be three midterm exams plus a comprehensive Final Exam during finals week. Make-up exams will be given only if you get permission from me in advance. A student shall be offered reasonable accommodation in the event that he or she misses a major assessment activity for a valid and documented reason. You must take the Final Exam at the scheduled time. Do not buy an airline ticket that will cause you to miss the Final Exam.

### **Grading:**

A = 90% to 100%, B = 80% to 89%, C = 70% to 79%, D = 60% to 69%, F = 0% to 59%

<b><u>Grade Evaluation Basis</u></b>	<b><u>Weighted Value</u></b>
Midterm Exam 1	100 points
Midterm Exam 2	100 points
Midterm Exam 3	100 points
Final Exam	200 points
Homework	200 points
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Total	700 points

**Attendance Score:** 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 will start with a score of 100. You may miss class twice without affecting this score. Each day you miss in excess of 2, I will deduct 5 points from your

score. If it helps your grade, your attendance score will be averaged with your lowest 100 point exam (which may be half of your final exam score). If that does not help your grade, the attendance score will not be used.

**Academic Misconduct:** All cases of academic misconduct will be dealt with as harshly as university policy allows. Don't do it.

**Syllabus Attachment:** Important information that applies to all OSU classes is on the web at <http://academicaffairs.okstate.edu/faculty-a-staff/46-syllabus-attachment>

**Advice:** Complete your homework each day. DO NOT MISS CLASS. People who do these things are generally successful. Those who don't are generally not. I encourage students to work together. But, when it comes time to write up solutions, be sure you do that all by yourself.

Math is incredibly sequential. If you have problems, come see me right away. I can usually clear things up quickly. There is also help available at the Mathematics Resource Learning Lab in CLB 420.