

# MATH 1483 – MATH FUNCTIONS AND USES

Section 008 Spring 2015 T-Th 10:30-11:45, CLBN 202

**Instructor:** Professor DeBock

**Office:** 435 Math Sciences

**Office Hours:** Tuesday and Thursday 4:30 – 5:30 my office 435 Math Building  
Wednesday 3:00 – 4:00 MLSC 5<sup>th</sup> floor of the library  
Also by appointment

\* **Telephone:** (405) 744-2304 – This is a land line, and does not receive text messages

\* **e-mail:** kittyd@math.okstate.edu

**Course Objectives:** Students will learn to analyze linear, exponential, logarithmic, and other functions and their graphs from the viewpoint of rates of change. Special emphasis will be placed on applications to the natural sciences, agriculture, business, and the social sciences.

## Required Textbook Package and Supplies:

- **Textbook Package.** *Functions & Change: A Modeling Approach to College Algebra, 5th edition* by Crauder, Evans, and Noell.
- **Graphing Calculator.** You are required to have a graphing calculator for this course. I will use a TI-84 Plus C Silver edition graphing calculator for class demonstrations. You may check out a TI-83/TI-84 graphing calculator from the Mathematics Department (401 MS) for use during the semester while the supply lasts; there is NO charge.

<b>Course Evaluation:</b> Grades will be calculated according to the following formula:			
Point Distribution		Grading Scale	
Homework, in-class assignments, and quizzes	200 points	630-700 points	A
Exam #1	100 points	560-629 points	B
Exam #2	100 points	490-559 points	C
Exam #3	100 points	420-489 points	D
Final Exam	200 points	0-419 points	F
<b>Total Available</b>	<b>700 points</b>		

\* **Homework, in-class assignments, and quizzes:** Grades will be taken often, for a total of at least 22 grades, worth 10 points each. Quizzes and in-class assignments can be announced, unannounced, or done in place of collecting an assigned homework. If I give a quiz instead

of collecting homework, then the problems will be from the assigned homework. Homework will usually be due within one or two class periods from the day assigned. Not all assigned homework problems will be selected to be graded. The sum of the top 20 scores will be the homework point score. Late assignments will not be accepted. If you have an unavoidable documented conflict **and** obtain my prior approval, then you may turn in an assignment **early** to me personally or drop it in my mailbox at the math office 401 Mathematics Building (ask them to time stamp your homework and put in my box). Quizzes and in-class assignments cannot be made-up. If you have to miss due to documented unavoidable conflict and have approval by me ahead of time, then it will be used as one of your dropped grades.

- Problems must be submitted in order, the problem number (and **only** the problem number) must be written in the left-hand column.
- All work must be **neat and legible**. In most cases, answers must be in complete sentences.
- Pages must be stapled together (**not** dog-eared).

\* **Examinations:** There will be three fifty-minute examinations and a 200-point comprehensive final exam. If you have a serious, documented, **and** unavoidable conflict **and** obtain approval by me ahead of time, a make-up exam can be scheduled prior to the actual exam. Serious and unavoidable conflicts do not include things like vacations, even if airline tickets are non-refundable and arranged by your family. If you miss an exam and the above conditions are not met, then a 0 will be recorded for that exam.

Exams will be given in class on the following dates:

**Tuesday, February 10**

**Thursday, March 5**

**Tuesday, April 7**

The final exam will be given in our regular classroom at the time scheduled in the OSU exam schedule:

**Tuesday, May 5, 10:00-11:50 a.m.**

\* **Attendance:** Attendance is very important in any course. Not surprisingly, students who attend class regularly do better! Please come to class prepared to work. Bring your textbook, a notebook, a pencil, and your graphing calculator to class with you each day.

Attendance will be taken each day and may be reported along with your grade. **You must pay attention and participate in class activities to be counted as present.** Students will begin the course with 100 attendance points; after the first missed class, five points will be deducted for each absence. **If it helps your grade, your final attendance score will be averaged with your lowest 100-point exam score.**

**MLSC (Math Learning Success Center)** The MLSC is located on the 5th floor of the library. The schedule will be posted on D2L. It is an additional resource for help with your homework.

**Cell Phones and electronics:** Turn off your cell phones in class. Cell phones may not be used at any time during class, unless cleared in advance by the instructor. Use of a cell phone, ear buds, laptop, or other electronic device during class for any reason, including phone calls, texting, or games, will result in you being considered absent for the class.

**D2L Site:** All homework assignments will be posted on the D2L site (oc.okstate.edu).

**Additional University Information:**

**Syllabus Attachment:** OSU has compiled useful information that applies to all classes at <http://academicaffairs.okstate.edu/faculty-a-staff> This website includes add/drop/withdrawal dates, university holidays, accommodations for students with disabilities, academic resources, and much more. You are responsible for reading this information now and having any questions answered.

**Incomplete Grade:** The grade of "I" is given to students who satisfactorily completed the majority of the course work and whose work averages "D" or better, but who have been **unavoidably** prevented from completing the remaining work of the course. A condition that the students must repeat the course in order to remove the "I" is not permitted. The maximum time allowed for a student to remove an "I" is one calendar year.

**Academic Integrity:** The university has explicit rules governing academic integrity. Please consult the OSU Syllabus Attachment mentioned above. Working with another person or in study groups on problems can be helpful in learning the material. I encourage you to work together if you find it helpful. However, **all written and on line work submitted must be your own.** Academic dishonesty (cheating) will be dealt with as harshly as the university allows. Don't do it!

**Special Accommodations for Students:** If you think you have a qualified disability and need special accommodations, you should notify the instructor and request verification of eligibility for accommodations from the Office of Student Disability Services.

**\* Additional explanations can be found on the D2L site.**

**Any changes to this syllabus will be posted on the D2L site and communicated to the students via email.**