

Math 1483 – Math Functions and Uses

Fall 2016

MWF 10:30-11:20, CLB 303 and TR 10:30-11:20 HSCI 004

Instructor: Rachael Wood
Office: 432 Math Sciences
Office Hours: Monday 2:00-3:00 MLSC
Thursday 11:30-12:30 MSCS 432
*Also by appointment
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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 graphing calculator for class demonstrations. You may check out a TI-83/TI-84 graphing calculator from the Mathematics Department (401 MSCS) for use during the semester while the supply lasts; there is NO charge. Check out times will be announced in class.

Course Evaluation: Grades will be calculated according to the following formula:

Point Distribution	
Classwork	250 points
Attendance	50 points
Exam #1	100 points
Exam #2	100 points
Exam #3	100 points
Final Exam	200 points
Total Available	800 points

Grading Scale	
720 - 800 points	A
640 – 719 points	B
560 – 639 points	C
480 - 559 points	D
0 - 479 points	F

* **Homework and in-class assignments:** **Classwork** consists of homework quizzes, in-class group work, and co-requisite activities. Homework will be assigned each week there is not an exam but will not be graded.

- **Homework Quizzes:** At the beginning of class on Fridays, students will be given a quiz which is related to the homework problems of that week. All relevant work must be shown to receive full credit.
- **Group Work:** There will be occasional in-class group work assignments. All relevant work must be shown to receive full credit.
- **Co-requisite Activities:** Our class has an additional classes each Tuesday and Thursday. It will meet at the same time and in the same classroom as our regular class. During these periods, you will work on activities (individually and as a group) which will help you both better understand the course material and the underlying mathematical concepts. These activities will be graded. As usual, all relevant work must be shown to receive full credit.

* **Examinations:** There will be three fifty-minute examinations and a 200-point comprehensive final exam. Makeup exams will be given only if you request and obtain approval in advance, and only for serious and unavoidable conflicts. Makeup exams will be arranged between the student and instructor. Serious and unavoidable conflicts do not include things like vacations, even if airline tickets are non-refundable and arranged by your family. Your lowest grade from exams 1, 2, or 3 will be replaced with the **average** of the lowest exam and your final exam grade if the averaged exam percentage grade is higher.

Exams will be given in class on the following dates:

Friday, September 16,

Wednesday, October 12

Wednesday, November 16

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

Monday, December 5, 10:00-11:50 am

* **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 50 attendance points; after the first **three** absences, **four points** will be deducted from your attendance grade for each absence. This includes absences during our Tuesday and Thursday lab sections! Poor attendance will negatively impact your grade.

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

Lasso Center: Offers free tutoring for many classes, including ours, on campus.

Lasso Academic Success Coaches: From their website: Working with an Academic Success Coach, you can learn to:

- set a schedule that works to improve study habits
- adjust to campus life
- strike a better school, work and life balance
- manage relationships and settle conflicts with roommates, classmates and professors
- and much more

Success coaching is free to all OSU students. Visit their website at: <https://lasso.okstate.edu/success-coaches> .

Electronic Devices: Students should not use cell phones or other electronic devices in class, unless cleared in advance by the instructor. Such devices are distracting to fellow students and the instructor. Use of these devices during class for any reason, including phone calls, texting, or games, will result in you being considered absent for the class.

Brightspace Site: All materials for the class will be posted on the Brightspace site (online.okstate.edu). Any additional information, such as additional office hours, will also be posted on Brightspace.

Additional University Information:

Syllabus Attachment: OSU has compiled useful information that applies to all classes. A link will be posted on Brightspace. 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 online 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 request verification of eligibility for accommodations from the Office of Student Disability Services.

* **Additional explanations can be found on the Brightspace site.**

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