

# Math 1483 – Mathematical Functions and Their Uses

Section 009

Spring 2016

T/Th 12:30-1:45, MSCS 514

**Instructor:** John Paul Cook, Ph.D.  
**Office:** 406 Mathematical Sciences  
**Office Hours:** Tuesdays: 11:15 – 12:15 in the MLSC  
Thursdays: 2:00 - 4:00 in Mathematical Sciences 406  
and by appointment  
**e-mail:** cookjp@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, Custom OSU edition with WebAssign*, by Crauder, Evans, and Noell. ISBN: 9781337071918
  - Once you've purchased an access code for WebAssign, register for this course using the following code: **okstate 5633 9914**
- **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 MS) for use during the semester while the supply lasts; there is NO charge. Check out times will be announced in class.

**Course Evaluation:** Your efforts in this course will be assessed as follows:

Point Distribution	
Homework	125 points
Quizzes	125 points
Exam #1	100 points
Exam #2	100 points
Exam #3	100 points
Final Exam	200 points
<b>Total Available</b>	<b>750 points</b>

Grading Scale	
675 - 750 points	A
600 - 674 points	B
525 - 599 points	C
450 - 524 points	D
0 - 449 points	F

**\*Due dates:** Because of the importance of staying current with the development of course material, homework and quizzes (whether online or on-paper) must be submitted by the specified due date (which will always be announced in class and/or via email to your @okstate address). Late assignments will not be accepted. However, to account for excusable reasons for delinquent assignments and absences, 1 quiz and 1 homework score will be dropped at the end of the term. The dropped assignment for each category will be the one with the lowest recorded score. If you believe that a situation warrants special accommodations beyond what I've mentioned here, then please come to see me as soon as possible after the situation has developed.

**\* Examinations:** There will be three examinations and a 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. Exams will not be rescheduled for vacations, even if airline tickets are non-refundable and arranged by your family.

Exams will be given in class on the following dates:

**Tuesday, February 16<sup>th</sup>**

**Thursday, March 10<sup>th</sup>**

**Tuesday, April 19<sup>th</sup>**

The final exam will be given in our regular classroom at the following time (as given by the university exam schedule):

**Tuesday, May 3<sup>rd</sup>, 10:00-11:50 am**

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

**MLSC** (Math Learning Success Center): The MLSC is located on the 5<sup>th</sup> floor of the library. Tutors are available on a walk-in basis. For more information (such as hours of operation), visit <http://math.okstate.edu/mlsc>.

**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.

#### **Additional University Information:**

**Syllabus Attachment:** OSU has compiled useful information that applies to all classes. A link will be posted on D2L. 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. Download by visiting <https://goo.gl/kjca2M>.

**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 notify the instructor and request verification of eligibility for accommodations from the Office of Student Disability Services.

**The instructor reserves the right to make changes to this syllabus in order to accommodate the needs of the class. Any such changes will be announced in class.**