SYLLABUS
Math 1483 – Section 1
Mathematical Functions
MTWR 9:00 – 10:15 a.m.
Human Environmental Sciences, Room 134
Summer 2010

Purpose: This is a mathematics skills course intended for majors that use mathematics. The emphasis is on the study of functions, especially by graphing, and on the uses of functions in applications. Graphics calculators will be used intensively.

Instructor:	**Kenneth Ward**
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Office:	Mathematical Sciences, Room 432
Office hours:	Monday, Tuesday, and Wednesday, 10:15 a.m. – 11:15 a.m.

Office Hours: The purpose of office hours is to provide a time dedicated to helping you. You are welcome to come by then without making an appointment.

Text and Calculator Needs: *Functions and Change: A Modeling Approach to College Algebra, 4e* by Crauder, Evans, and Noell, available at the OSU Bookstore for about $122 new or about $91 used. The bookstore version has a student solutions manual bound in with the text. You are expected to have a TI-83 or a TI-84 calculator.

Expectations: You are expected to attend class prepared to learn. This includes more than simply attending class and bringing your book and calculator. I expect you to come to class having reviewed the material covered in the previous class and having read the text. This preparation for class is essential (that is why it is in the course syllabus).

Grading: You have the possibility of earning 600 points in the course: 100 points for each of the four examinations, and 200 points for the homework. There will be eight homework assignments in the course, one each week, with each of equal value. Your lowest two homework scores will be dropped. Grades are assigned according to the scale that follows:

- 90% and up – A
- At least 80%, but less than 90% - B
- At least 70%, but less than 80% - C
- At least 60%, but less than 70% - D
- Less than 60% - F

Grades are not rounded in this course.

Tests: There will be four examinations, each worth 100 points. Each examination is cumulative. The dates for the examinations are:

1st **Midterm Examination: Thursday, June 17th, during class**
2nd **Midterm Examination: Thursday, July 1st, during class**
3rd **Midterm Examination: Thursday, July 15th, during class**
Final Examination: Thursday, July 29th, during class

Homework and Attendance: There will be weekly graded homework assignments. Homework and exact due dates follow the homework schedule. Late assignments will not be accepted unless special

arrangements are made. Attendance is very important in this class. As mentioned above, to emphasize the importance of homework as a way to try ideas and practice the concepts you need to learn, your lowest two homework scores will be dropped. The total value of the homework is 200 points. Note that if you do not do homework, your maximum possible score is 400 of 600, earning a grade of "D" at best.

The Online Classroom: This class will be using D2L heavily for posting of course materials, which may be accessed at http://oc.okstate.edu/. On this website, you will be able to view your grades, find review materials, receive and send class e-mail and so on.

Make-up Exams: Make-up exams will only be given in exceptional, serious, and unavoidable circumstances; moreover you must seek approval in advance to the extent it is possible to do so.

Homework Format: To ensure that you get full credit for your homework, it needs to adhere to certain standards. For homework to be accepted, it must be

- legible
- stapled (folding the corner of your paper is not stapling)
- written with all exercises in order
- on one side only of each sheet of paper
- complete, showing all work, not just the answers
- turned in on time
- your own work (not copied from anywhere or anyone)

I emphasize that these are requirements, not suggestions.

MLRC: The Mathematics Learning Resources Center is on the 4th floor of the Classroom Building. It provides free tutoring, videotaped lectures, and a computer lab. The MLRC hours are:

Monday-Thursday: Noon – 5 p.m.
Friday: Noon – 4 p.m.

Loaner Calculators: The Mathematics Department has a limited number of graphics calculators available for loan on a first-come-first-served basis in Math Sciences 401. These calculators are due back in Math Sciences 401 at the end of the semester. Please see the staff in Math Sciences 401 for exact deadlines and details.

Special Accommodations: If you think you have a qualified disability and need special accommodations for this class, please let me know and request verification of eligibility from the Office of Student Disability Services (315 Student Union, 744-7116).

OSU Drop Policy: The last date to drop the course with no grade and no fees is June 9th. The last date to drop the course with an automatic "W" and a 50% refund is June 11th. The last date to drop the course with an automatic "W" is July 16th.

Syllabus Attachment: The following URL takes you to the Summer 2010 syllabus attachment, which has detailed answers to many questions. http://osu.okstate.edu/acadaffr/aa/PDF%20Files/SYLATSU.pdf

Academic and Personal Integrity: In all matters of academic and personal integrity, such as homework, tests, and quizzes, you are expected to ensure that work with your name on it is truly your own work. This includes homework done working with other students. Cheating, of course, is not tolerated.

Math 1483 Homework Schedule

Each problem set is worth 33 and 1/3 points, and your two worst homework scores will be dropped from your final grade.

Homework 1 (due June 11):
    Chapter 1.1: # 1, 3
    Chapter 1.2: # 11, 17
    Chapter 1.3: # 11, 12
    Chapter 1.4: # 3, 8

Homework 2 (due June 18):
    Chapter 2.1: # 8, 18, 19, 20
    Chapter 2.2: # 1, 6, 16
    Chapter 2.3: # 11, 13, 16

Homework 3 (due June 25):
    Chapter 2.4: # 2, 8, 17
    Chapter 2.5: # 4, 5, 23
    Chapter 3.1: # 11, 12, 14, 15

Homework 4 (due July 2):
    Chapter 3.2: # 2, 7, 11
    Chapter 3.4: # 2, 6, 7, 16
    Chapter 3.5: # 14, 15, 16

Homework 5 (due July 9):
    Chapter 4.1: # 6, 13, 14, 17
    Chapter 4.2: # 7, 14
    Chapter 4.3: # 6, 8, 12

Homework 6 (due July 16):
    Chapter 4.4: # 1, 2
    Chapter 5.1: # 11, 12
    Chapter 5.2: # 7, 15

Homework 7 (due July 23):
    Chapter 5.5: # 4, 9, 10
    Chapter 5.6: # 1, 4
    Chapter 6.1: # 3, 9, 10

Homework 8 (due July 30):
    Chapter 6.2: # 6, 12, 16
    Chapter 6.3: # 1, 4, 10
    Chapter 6.4: # 11