

## MATH FUNCTIONS

MATH 1483

Spring 2011

**Instructor:** Gerri C. Petty  
**Office:** 512 MS  
**Office Hours:** Monday, Wednesday 10:30am -11:20am, 12:30-1:00pm or by appointment  
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**Course Information:** available at [oc.okstate.edu](http://oc.okstate.edu)

**Syllabus Attachment:** OSU has compiled useful information that applies to all classes at <http://osu.okstate.edu/acadaffr/aa/syllabusattachment-Fall.htm>

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.

**Course Objectives:** 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.

### Required Textbook Package and Supplies:

- **Textbook Package.** *Functions and Change: A Modeling Approach to College Algebra, 4e* by Crauder, Evans, and Noell.
- **Graphing Calculator.** You are required to have a graphing calculator for this course. I will be using a TI-83 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:

Course grades will be determined according to the following distribution.

Letter grades will be assigned according to the following scale:

Homework	200 points	630 - 700 points	A
Examination 1	100 points	560 - 629 points	B
Examination 2	100 points	490 - 559 points	C
Examination 3	100 points	420 - 489 points	D
Final Examination	<u>200 points</u> 700 points	0 - 419 points	F

Grades will not be curved.

Please note: Final grades will not be curved.

Your class attendance record will be reported along with your course grade.

**Homework Grade:** Homework must be turned in on or before the date it is due. No late homework will be accepted by the instructor.

Homework assignments must be submitted in the following manner:

- Your name will be prominently displayed on each page.
- Textbook page and problem numbers will be prominently displayed.
- Problems will be submitted in the order in which they were assigned.
- You must show all work and solutions written in complete sentences to receive credit.
- All pages should be stapled together.
- Assignment should be folded lengthwise with your name written on the outside.

Homework assignments are worth 20 points each. The top 10 scores will be used for a possible 200 points.

**Examinations:** There will be three (3) fifty-minute examinations with a maximum possible score of 100 points each and a 200 point comprehensive final examination. Makeup Exams will be given **only if you request and obtain approval in advance** of the missed exam and only for very **serious and unavoidable** conflicts. If this condition is not satisfied, a grade of zero will be recorded for the missed exam. Makeup Exams will be scheduled during Finals Week. Bring your student ID to each examination.

**Attendance:** Attendance will be taken during each class session; you must be present for the entire class session in order to be counted as present. Students will begin the semester with 100 points for Attendance - for each absence, 5 points will be deducted. In the event it improves the final grade, the Attendance grade will be averaged with the lowest 100 point exam grade.

**MLRC: Mathematics Learning Resource Center** The MLRC is an invaluable resource to support your mathematical learning. They are located on the 4<sup>th</sup> floor of the Classroom Building (420 CLB, 405-744-5818). For more information, visit the MLRC website at [www.math.okstate.edu/mlrc](http://www.math.okstate.edu/mlrc), or call 405-744-5688.

**E-Mails:** Please include, on the subject line, your first and last name and when the class meets (i.e., Gerri Petty, MWF12:30). If this information is missing, the e-mail may not be read.

**Cell Phones:** Turn cell phones off during class. Cell phones are not allowed out at any time during class except under unusual circumstances and only when cleared in advance by the instructor. Use of cell phones, including texting, will result in an absence for the class period.

**Drop and Withdrawal Policy (General University Policy 2-0206):** "Dropping" means withdrawing from a specific course while "withdrawal" means withdrawing *from all courses* and leaving the University for the balance of the term. The drop and withdrawal dates are noted on the attached calendar. IT IS YOUR RESPONSIBILITY TO KNOW AND COMPLY WITH ALL DEADLINES.

**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 Fall 2008 Syllabus Attachment mentioned above on the web.

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**. Copying someone else's problem solution, showing your written solution to someone else, or having another person complete your on line work is prohibited; such behaviors are regarded as violations of academic integrity and will be treated according to the University's policy. In order to be successful in learning the material and doing well on the examinations you must think very hard about the problems themselves **before** discussing them with anyone else.

**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 (315 Student Union). Please advise your instructor of your disability as soon as possible, and contact Student Disability Services, to ensure timely implementation of appropriate accommodations. Faculty have an obligation to respond when they receive official notice of a disability but are under no obligation to provide retroactive accommodations." (OSU Fall 2008 Syllabus Attachment)

**Class Records:** For your own protection, each student should keep all graded work during the semester

**Any changes in this syllabus will be communicated to you by the instructor in class.**

**Math Functions Class Schedule**

	Date	Section/ Topic	Hw Page	Home work
<b>1</b>	Jan 10 Mon	Course Intro		
	Jan 12 Wed	Prologue	13	S1-7, S32, 2, 4
	Jan 14 Fri	Section 1.1	33	4, 6
<b>2</b>	Jan 17 Mon	University Holiday		
	Jan 19 Wed	Section 1.2 HW #1 Due (Pro. - 1.1)	53	4, 10
	Jan 21 Fri	Section 1.3	76	6, 8
<b>3</b>	Jan 25 Mon	Section 1.4	98	4, 6
	Jan 26 Wed	Section 2.1 HW #2 Due (1.2 - 1.4)	124	4, 14
	Jan 28 Fri	Section 2.2	145	6, 16
<b>4</b>	Jan 31 Mon	Section 2.3	163	2, 10
	Feb 02 Wed	Section 2.4 HW #3 Due (2.1 - 2.3)	180	6, 10
	Feb 04 Fri	Section 2.5	196	18, 20
<b>5</b>	Feb 07 Mon	Review		
	Feb 09 Wed	<b>Exam 1 (1.1 - 2.5)</b>		
	Feb 11 Fri	Section 3.1	222	10, 16
<b>6</b>	Feb 14 Mon	Section 3.1		
	Feb 16 Wed	Section 3.2 HW #4 Due (2.4 - 3.1)	240	2, 8
	Feb 18 Fri	Section 3.3	259	10, 12
<b>7</b>	Feb 21 Mon	Section 3.4	280	6, 16
	Feb 23 Wed	Section 3.4 HW #5 Due (3.2 - 3.3)		
	Feb 25 Fri	Section 3.5	299	6, 12
<b>8</b>	Feb 28 Mon	Section 4.1	323	4, 14
	Mar 2 Wed	Section 4.1 HW #6 Due (3.4 - 3.5)		
	Mar 4 Fri	Section 4.2	340	10, 14

	Date	Section/ Topic	Hw Page	Home work
<b>9</b>	Mar 7 Mon	Review		
	Mar 9 Wed	<b>Exam 2 (3.1 - 4.2)</b>		
	Mar 11 Fri	Section 4.3	351	4, 12
<b>10</b>	Mar 14-18	University Holiday		
<b>11</b>	Mar 21 Mon	Section 4.3		
	Mar 23 Wed	Section 4.4 HW #7 Due (4.2 - 4.3)	369	2, 8
	Mar 25 Fri	Section 4.4		
<b>12</b>	Mar 28 Mon	Section 5.1	413	6, 10
	Mar 30 Wed	Section 5.1 HW #8 Due (4.4)		
	Apr 1 Fri	Section 5.2	429	6, 10
<b>13</b>	Apr 4 Mon	Section 5.2		
	Apr 6 Wed	Section 6.1 HW #9 Due (5.1 - 5.2)	522	8, 12
	Apr 8 Fri	Section 6.1		
<b>14</b>	Apr 11 Mon	Review		
	Apr 13 Wed	<b>Exam 3 (4.3 - 6.1)</b>		
	Apr 15 Fri	Section 6.2	531	6, 10
<b>15</b>	Apr 18 Mon	Section 6.2		
	Apr 20 Wed	Section 6.3 HW #10 Due (6.1 - 6.2)	540	6, 10
	Apr 22 Fri	Section 6.4	549	4, 12
<b>16</b>	Apr 25 Mon	Section 6.4 HW #11 Due (6.3)		
	Apr 27 Wed	Review		
	Apr 29 Fri	Review		
<b>17</b>	<b>May 6 Fri 10:00 - 11:50</b>	<b>Final Exam</b>		

Please note that changes may be announced by the instructor in class.