MATH 1503 - COLLEGE ALGEBRA (Spring 2015)
GENERAL INFORMATION

COURSE INSTRUCTOR

Melody Molander email: mmolander@math.ou.edu
Office: PHSC 918 Office Hours: Thursdays 10:30-11:30 (subject to change)
Math Center Hours PHSC 209: MW 4:30-5:30
Exams take place in Dale Hall Room 200 from 7:30 P.M. to 9:00 P.M.

REQUIRED MATERIALS:

1. Textbook: **College Algebra**, by Stitz and Zeager, Version 3, Open Source download at:
   http://www.stitz-zeager.com/szca07042013.pdf
2. Study Guide (please bring to class every lecture)
3. Calculator: You will need a graphing calculator; the TI-83-84 are preferred, and are the ones that will be used by the instructor. Calculators with symbolic manipulation, such as the TI-89, are not allowed. You are welcome to use a different calculator, but do not expect your instructor to be familiar with other calculators.

All decisions made in this class will adhere to this syllabus. To ensure fairness and consistency for all students in this course, all instructors will use the same syllabus, objectives, uniform examinations, grading scale, and course policies. You are responsible for reading and following all policies stated in this syllabus.

COURSE CONTENT

Mathematics 1503 is designed to prepare students for engineering calculus, not business calculus. **This course is NOT an acceptable prerequisite for MATH 1643 or MATH 1743. If you are uncertain about the suitability of this course for your major, please consult your advisor immediately.**

The focus is on functions and their properties, including polynomial, exponential, and logarithmic functions. This course may be used to satisfy the mathematics component of the University's General Education program.

PREREQUISITE

A student must either successfully complete MATH 0123 or an equivalent course, or the student must make a satisfactory score on the placement examination before entering this course, or have an appropriate score on the ACT or SAT examination.

GRADING

POINTS	ITEMS	SEMESTER GRADING
100 PTS	EXAM ONE	537 PTS - 600 PTS: A
100 PTS	EXAM TWO	477 PTS - 536 PTS: B
100 PTS	EXAM THREE	417 PTS - 478 PTS: C
30 PTS	In Class Quizzes (Six 5-point quizzes)	357 PTS - 416 PTS: D*
200 PTS	FINAL EXAM	0 PTS - 356 PTS: F
70 PTS	HOMEWORK (10 7-point homeworks)	
600 PTS	**POINTS POSSIBLE**	

*A D indicates you should consider repeating this course for a better foundation before attempting the next course.

UNIFORM FINAL EXAMINATION

The final examination for this class is comprehensive and will be worth 200 points. It will consist of 21 multiple-choice questions and 8 long answer questions. The final will be given only at the scheduled time. No make-ups will be scheduled other than those allowed by university regulations. **Do not schedule any conflicts with the final exam, including elective surgery, work, travel, or classes at other institutions.** If you miss the final exam, contact the course moderator, Laniel Gibson (gibby@ou.edu), immediately.

Final Exam Rule: If the percentage score on the final exam is greater than the lowest regular exam score, then the percentage score on the final exam will replace the lowest exam score only if that regular exam score is not a zero.

EXAMINATIONS

There will be three 100-point evening examinations during the semester. The dates of the exams are posted on D2L. Each exam will consist of 15 multiple-choice questions and 6 long answer questions. In general, individual exams will not be curved. **Exams take place in Dale Hall Room 200 from 7:30 P.M. to 9:00 P.M.**

All students are expected to adjust their schedules to accommodate these tests. The only absolutely acceptable reason for a makeup will be a normally scheduled class or university-sanctioned activity on Thursday night. All other requests will be considered on an individual basis. All requests for makeups must be submitted in writing using the form on page 5 of the study guide. **All requests for makeup exams MUST be submitted by 5 p.m. on Tuesday of exam week.** Make-up exams will be offered at 7:20 a.m. on Thursday, exam day, probably in PHSC 201. Special arrangements may be made by contacting the course moderator, Mr. Laniel Gibson, (gibby@ou.edu) as soon as possible. Instructors do not make decisions about makeups; such decisions will be made solely by the course moderator.

EXAMINATION STUDY SUGGESTIONS

Complete and master all homework problems as they are assigned. Work additional problems until you feel you have mastered the material. Make sure you can successfully work the homework problems without assistance before the exam.

Get help as soon as you need it. There are several sources of assistance.

1. The mathematics department has a help lab in PHSC 209. Instructors will be available to answer questions. The lab will be open 9:30-5:30 M - Th and 9:30 to 3:30 F.
2. Action Tutoring is available. Find out more at Wagner Hall.
3. The Mathematics Department Office has an approved tutor list available on request.

Review early. Make sure you understand the stated objectives. Anticipate questions you expect to see on the exam. Make sure you will recognize the necessary steps to solve each type of problem from homework. Get copies of old exams from the test files and practice working on them. Write and work

on your own exam. Leave no gaps in your understanding. The exam questions are designed to reward the students who have mastered ALL of the homework concepts.

ATTENDANCE

You are expected to attend every class period. It is the student's responsibility to get missed lecture notes when absences do occur. Excessive absences will be penalized. If your class meets three times per week, you will lose 2 points for each absence in excess of six. If your class meets two times per week, you will lose 3 points for each absence in excess of 4. In general, all absences will count toward the total allowed, excused or not. This policy does not mean that you may have 4 or 6 absences in addition to excused, it means you will be penalized only after 4-6 absences (for any reason).

TUTORING

The Department of Mathematics maintains a help lab in PHSC 209. It will be open M-Th 9:30-5:30 p.m and F 9:30-3:30. No appointments are required. University College offers Action Tutoring. Have specific questions ready for the tutors when you go. If you are unable to do two or more problems on the homework assignment, you should get help before the next class period.

ACADEMIC MISCONDUCT

Any cases of academic misconduct will be strictly dealt with according to the University of Oklahoma Student Code. All cases of academic misconduct will be reported to the Dean of the College of Arts and Sciences for adjudication. Students are encouraged to visit (and are expected to be aware of) the Provost's web page on academic integrity, found at this website: http://www.integrity.ou.edu/. Please be aware of the information on calculators.

CELLPHONES & LAPTOPS

ANY electronics, other than the approved calculator, is not allowed out during class. This includes cellphones, laptops, kindles, and tablets. If you have an unapproved electronic device out during tests or quizzes it will be assumed that you are cheating.

SPECIAL ACCOMMODATIONS

Any student in this course who has a disability that may prevent her/him from fully demonstrating her/his ability should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate her/his educational opportunity. All accommodations will be made at the suggestion of, and with the approval of the Office of Disability Services, 620 Elm, Room 166.

CLASSWORK

1. Homework will be on D2L every week and done out of the Study Guide. Your instructor may require extra homework. The homework points cannot exceed 70 points, even if you earn extra credit. You are expected to have the homework turned in to me by the beginning of class the day it is due. If you are absent that day, you must have your homework emailed to me by the beginning of class the day it is due. No late homework is accepted.
2. There will be 6 in class quizzes, each worth 5 points. The quiz questions will be patterned after the questions in this study guide. The schedule is listed on Page 6 of the study guide. **Make-up quizzes are only allowed if the absence was excused and must be taken within a week of the original quiz date.**

3. If an instructor chooses to offer extra credit, these points will apply strictly to the homework portion of the grade, up to a total of 70 points (extra credit is limited to 10 points total).
4. Before you do the exercises, read each lesson in your textbook and use the referenced examples when appropriate! **For every class period, you should expect to spend at least one to two hours on homework assignments and study time.**
5. Make sure you get help BEFORE class if you have more than 2 questions on the homework assignment due that day. Start your homework in plenty of time to get help before the next class. Do not spend an excessive amount of time trying to figure out one problem. Get help BEFORE you get frustrated, but not before you studied your book, especially the examples.
6. The problems listed here are the minimum assignment. You are your best teacher. Individually, you may need to do additional problems for mastery and understanding. (Especially the odd problems where you can self-check your answers). Always show your work and check odd problems in the back of the textbook or the solutions manual, making appropriate corrections in your work.
7. If you are absent, it is your responsibility to have the next homework assignment ready for the next class. Remember that you have a schedule that informs you of what the next assignment will be.

EMAIL AND DESIRE2LEARN
You are expected to check your email account on a regular, frequent basis. Desire2Learn will be used to provide updates on the course and to post grades. Your instructor and the course moderator will use the OU's email system to send messages and to distribute grades. **You are responsible for all messages sent via email.**

All students are assigned an email address by the university. If you have another address that you prefer to use, you can forward all emails to your OU address by going to https://webapps.ou.edu/pass . If you do not have a computer to access your account, you can go to any of the computer labs on campus for help. If you forward your OU email, please be sure your account is up-to-date, your mailbox is not full, and that it is set to receive messages from the mathematics department. If your computer goes down, please check your account from another location!

QUESTIONS
All questions, problems, complaints, and requests should be directed to the course moderator, Mr. Laniel Gibson, at 352-3062, or gibby@ou.edu. Please include your name, ID#, and course number and section in all messages.

In general, students who attend class, work problems on a regular frequent basis, and get help as needed are the students who succeed in this course. Do not assume that this material is all review.

Weekly Schedule for Math 1503

1/12 to 1/16: Intro to Course, Exponents and Radicals (R), Factoring (R), Equations (R)

1/20 to 1/23: Inequalities (R), Distance Formula (1.1), Midpoint (1.1), Homework 1

1/26 to 1/30: Circles (1.1), Intro to Graphs (1.2), Functions (1.3), Homework 2, QUIZ ONE

2/2 to 2/6: Piecewise Functions (1.4), Function Arithmetic (1.5), Difference Quotient (1.5),
Homework 3, QUIZ TWO

2/9 to 2/13: Even/Odd (1.6), Transformations (1.7), Review, EXAM ONE (2/12) [7:30 DH 200]

2/16 to 2/20: Slope (2.1), Equations of a line (2.1), Parallel/Perpendicular (2.1), Homework 4

2/23 to 2/27: Absolute Value (2.2), Quadratics (2.3), Homework 5, QUIZ THREE

3/2 to 3/6: Absolute Value Inequalities (2.4), Division of Polynomials (3.1, 3.2), Homework 6,
QUIZ FOUR

3/9 to 3/13: Remainder/Factor Theorem (3.2), Review, EXAM TWO (3/12)][7:30 DH 200]

3/23 to 3/27: Complex Numbers (3.4), Rational Functions (4.1), Variation (4.3), Homework 7

3/30 to 4/3: Compositions (5.1), Inverse (5.2), Intro to Log/Exp. (6.1), Homework 8, QUIZ FIVE

4/6 to 4/10: Log Properties (6.2), Exponential Equations (6.3), Homework 9, QUIZ SIX

4/13 to 4/17: Log Equations (6.4), Review, EXAM THREE (4/16) [7:30 DH 200]

4/20 to 4/24: Applications to Exp/Log (6.5), 2 by 2 Linear Systems (8.1), Homework 10

4/27 to 5/1: 3 by 3 Linear Systems (8.1), Final Exam Review

5/7: FINAL EXAM [7:30 PM -9:30 PM DALE HALL 200]

MATH 1503 assigned homework for Spring Semester, 2015

Assignment		date due
Homework 1		1/20/15
Homework 2		1/26/15
Homework 3		2/2/15
Homework 4		2/16/15
Homework 5		2/23/15
Homework 6		3/2/15
Homework 7		3/23/15
Homework 8		3/30/15
Homework 9		4/6/15
Homework 10		4/20/15