MATH 1503 - College Algebra (Summer 2015, Block E)

Syllabus

Course Instructor
Melody Molander   email: mmolander@math.ou.edu
Office Hours: 9 AM - 10 AM Tuesdays and Thursdays in PHSC 209 (Math Center), or by appointment
Website for course: D2L and `http://www2.math.ou.edu/~mmolander/MATH1503Summer2015.html`
Math Center Hours: Monday through Friday 9 AM - 1 PM

Required Material
1. Textbook: College Algebra by Stitz and Zeager, Version 3. Open source download at:
     http://www.stitz-zeager.com/szca07042013.pdf
2. Study Guide. Available on my website. I may assign problems
3. Calculator. TI-83 or TI-84 are preferred and will be used by the instructor in class. Your calculator needs to have the following buttons: e^x, ln, and log. However, it cannot have symbolic manipulation, such as the TI-89. If you are unsure if your calculator meets the requirements for this class, feel free to bring it to office hours.

All decisions made in this class will adhere to this syllabus. You are responsible for reading and following all policies stated in this syllabus.

Course Content
MATH 1503 is designed to prepare students for engineering calculus, not business calculus. This course is NOT an acceptable prerequisitie 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 of this course 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	
5 points	Office Hours Question	580 - 522 points	A
15 points	Quizzes (three 5-point quizzes)	521 - 464 points	B
60 points	Homeworks (six 10-point assignments)	463 - 406 points	C
100 points	Exam One	405 - 348 points	D
100 points	Exam Two	347 - 0 points	F
100 points	Exam Three		
200 points	Final Exam		
580 points	Total Possible		

Office Hours Question
You should come to the Math Center at least once by the time of the third exam. You should come prepared with a good question. It can be about anything related to mathematics or the course material; that is, not about grading or asking for exam questions. If you cannot make the hours of the Math Center, email me for an appointment. Bring your "Office Hours Question" form with you to the Math Center and get it dated and signed by whomever you asked your question to. (Should be a Math Center tutor).

Quizzes
There are three 5-point quizzes. If you miss a quiz, you are expected to email me within 24 hours. I will allow make-up quizzes up to 3 school days late, but you are expected to email me first to schedule the make-up quiz.

Homework
Homework will be on D2L and the class webpage each week. You are expected to have homework turned into me at the beginning of class the day it is due. If you are absent from class, you are still expected to turn in your assignment by the beginning of class-time the day it is due by either emailing me a copy of your homework or sliding it under my office door (PHSC 918). One late homework is accepted, but must be turned in no more than a week late. 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. 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. 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. Always show your work and check odd problems in the back of the textbook, making appropriate corrections in your work.

Examinations
There will be three 100-point examinations during the course. The dates of the exams are on the website, D2L, and on page 3 of this syllabus. In general, individual exams will not be curved. Exams take place in this room. All students are expected to adjust their schedules to accommodate these tests. The only absolutely acceptable reason for a makeup will be a university-sanctioned activity. All other requests will be considered on an individual basis. All requests for makeups must be submitted through email by 5 p.m. Wednesday before the exam. Make-up exams will be offered 7:20 a.m. the day of the exam.

Final Examination
The final examination for this class is comprehensive and will be worth 200 points. 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, email the me 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.

Attendance
You are expected to attend every class period. It is the student's responsibility to get missed lecture notes when absences do occur. This is summer session, so missing one class is equivalent to missing half of a week in a normal semester.

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://integrity.ou.edu/ Please be aware of the information on calculators.

Electronics
Any electronics, other than the approved calculator, is not allowed during class. This includes cellphones, laptops, kindles, and tablets. If you have unapproved electronic device out during exams or quizzes it willl 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 faciliate her/his education opportunity. All accommodations will be made at the suggestion of, and with the approval of the Office of Disability Services, 620 Elm, Room 166.

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 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 your 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 make 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!

Tutoring
The Department of Mathematics maintains a help lab in PHSC 209. It will be open Monday through Friday 9:00 to 1:00. 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.

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

06/29 - 07/03	Intro to Course, Exponents and Radicals*, Factoring*, Equations*, Inequalities*, Distance Formula(1.1), Midpoint Formula (1.1), Circles (1.1)	Homework 1 Due 07/01, Quiz 1 On 07/03
07/06 - 07/10	Intro to Graphs (1.2), Functions (1.3), Piecewise Functions (1.4), Function Arithmetic (1.5), Difference Quotient (1.5), Review	Homework 2 Due 07/08 and Exam 1 On 07/10
07/13 - 07/17	Even/Odd (1.6), Transformations (1.7), Slope (2.1), Equations of a line (2.1), Parallel/Perpendicular (2.1), Absolute Value (2.2)	Homework 3 Due 07/15, Quiz 2 On 07/17
07/20 - 07/24	Quadratics (2.3), Absolute Value Inequalities (2.4), Division of Polynomials (3.1/3.2), Review	Homework 4 Due 07/22, Exam 2 On 07/24
07/27 - 07/31	Remainder/Factor Theorem (3.2), Complex Numbers (3.4), Rational Functions (4.1), Variation (4.3), Compositions (5.1)	Homework 5 Due 07/29, Quiz 3 On 07/31
08/03 - 08/07	Inverses (5.2), Intro to Log/Exp (6.1), Log Properties (6.2), Exponential Equations (6.3), Review	Homework 6 Due 08/05, Exam 3 On 08/07
08/10 - 08/14	Log Equations (6.4), Applications of Exp/Log (6.5), 2-by-2 Linear Systems (8.1), 3-by-3 Linear Systems (8.1), Final Exam Review	Final Exam On 08/14

Examination Study Suggestions

Complete and master all homework problems as they are assigned. Wotk 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. Instuctors will be available to answer questions. The lab will be open 9:00 - 1:00 Monday through Friday.

2. Action Tutoring is available. Find out more at Wagner Hall.

3. The Mathematics Department Office has an approved tutor list available on request.

4. Khan Academy, Paul's Online Notes are excellent websites that discuss the topics we cover in this class. You can find out more by going to their websites. https://www.khanacademy.org/ and http://tutorial.math.lamar.edu/

5. 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 the 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.

Office Hours Question

This form needs to be turned in by the date of the third exam: August 7th.

Your assignment is to go to the Math Center, PHSC 209 (Open 9-1 M-F) and ask one question related to the course materials. Thus, no questions about grades, what's going to be on the exam, etc. For example, an acceptable question can be about a homework question or a concept you do not understand. When you've gotten your question answered, please write your question on this form, the answer, and have the person who helped you write their name and the date at the bottom of this page.