Math 1314 - College Algebra (Dual Credit Course - Fall 2013)
Tuesday/Thursday 5th and 6th Periods

Instructor	**Jeffrey Clouse**
Office	**MHS 214 and in classroom**
E-Mail	**jclouse@melissaisd.org**
Class and Tutoring Hours:	**T/R 1:10 – 2:55 p.m.**
Additional Office Hours:	**T/R 8:50 to 9:30 a.m. and M/W/F 2:40 – 3:10 p.m.**

"All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment." (Student's Guide Handbook, Policies and Procedures, Conduct.) Rude and/or disruptive behavior will not be tolerated. No electronic devices (except calculators) are allowed during class time.

Course Information: This course covers an in-depth study and applications of quadratics, polynomial, rational, exponential and logarithmic functions, and systems of equations. Additional topics such as arithmetic and geometric progressions; sequences and series; and matrices and determinants are included.

Student Learning Outcomes: Upon completion of this course, students will be able to:

1) Demonstrate knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2) Identify, interpret, and solve problems of various types of functions and their graphs, including but not limited to linear, quadratic, polynomial, rational, exponential, and logarithmic functions.
3) Apply graphing techniques for various functions.
4) Identify and develop basic sequences and series.
5) Solve systems of equations with various methods including elimination, substitution, Cramer's rule and matrices.

Core Objectives:

1) ***Students will be able to analyze, evaluate, or solve problems when given a set of circumstances or data***. This common core objective will be assessed in the departmental final exam for all sections of Math 1314.
2) ***In written, oral, and/or visual communication, A&M-Commerce students will communicate in a manner appropriate to audience and occasion, with an evident message and organizational structure.*** This common core objective will be assessed using common class activities/projects with class discussion over functions, sequences, logarithmic or exponential functions for all sections of Math 1314.
3) ***Students will be able understand and utilize mathematical functions and empirical principles and processes.*** This common core objective will be assessed using common class activities/projects with discussion over functions, homework, exam and departmental final exam for all sections of Math 1314.

Materials Required:

Textbook**:** *College Algebra* (6th Edition) by Robert F. Blitzer (ISBN # 978-0321-78228-1)
Students will receive an access code to an online system called MyMathLab. This system includes access to an e-book, so a hardcopy of the book is not provided by the school. Portions of Chapters 1-8 in the textbook will be discussed. A Texas Instruments (TI-83 or TI-83 Plus) graphing calculator for this course is highly recommended. **All written work must be completed in pencil.** Failure to complete your work in pencil will result in a reduction of the earned grade by 5 percent.

Technology: The graphing calculator of TI 83/TI 84 or equivalent will be highly recommended. Calculators other than Texas Instruments calculators may be used but classroom instruction on calculators will be given for TI equipment only. **Note: Calculators that solve problems for students, including but not limited to TI-Nspire, TI 89 or higher, Casio Prizm, Casio Touch or higher are **NOT** allowed to be used for this class. Students are also required to clear the memory of graphing calculators before and after each exam. **

Access to MyMathLab, a computer, and the internet will be needed for online homework assignments.

Instruction: Instruction will include lecture, demonstration and models, and some group work, based on time available.

Grading Policy:

Homework	10%
Quizzes and Projects	5%
Competency Exam	10 %
Tests	50 %
Final Exam	25 %

Grades: A = 90-100, B = 80-89, C = 70-79, D = 60-69, F = 59 or below

Homework: Homework will be assigned every class period. The homework is a must for success in this class. *****Students are required to complete homework using MyMathLab/MyLab software.*** Homework is due a week after the day that is assigned (or before the exam day, whichever comes first).**

If a student experiences any technical difficulties with MyMathLab, be sure to use the online help and technical support from the software company. If a student continues to have trouble accessing or navigating the software, please contact instructor through email or come by his/her office during office hours for some individual help.

Quizzes: Quizzes will be given in class periodically. **No make-up quizzes will be given**, but the lowest quiz grade will be dropped. Be sure to attend all classes so you do not miss any quizzes.

Projects: Application problems with class discussion over functions, sequences, logarithmic or exponential functions related to course materials will be assigned during the semester. Be sure to attend all classes in order to participate in the class activities with class discussion.

Competency Exam: Math1314 students are required to take the competency exam which covers prerequisite materials for college algebra. Students need to seek tutoring help if they do not pass the competency exam on the first try (in class). Students must score 80% or higher on the test in order to pass this exam. ***Competency exams will be graded with no partial credit***. Calculators are allowed, but all calculator memories must be cleared before and after the exam. Students can retake the competency exam outside of class (up to three times a week) before the deadline which is ***Friday Oct. 4, 2013***. Students will receive 10% on the final grade if they pass the competency exam. Students will receive a zero for that 10% of the final grade if they do not pass the competency exam before the deadline.

Tests: There are three scheduled tests. Partial credit may be given on tests IF all work is neatly shown for determination of the student's mistakes. **CELL PHONES AND OTHER ELECTRONIC DEVICES MUST BE TURNED OFF AND STORED OUT OF THE STUDENT'S REACH. The only electronic device allowed**

during tests and quizzes is a stand-alone calculator (such as a TI-34, TI-83, TI-84, etc.), and only with the instructor's permission.
No make-up tests will be given without prior notice of a university excused absence*. We realize that at times throughout the semester, emergency situations may arise that affect a student's performance on a test or even prevent a student from attending on a test day. **We can replace the lowest test grade with the student's grade on the final exam, provided the final exam score is higher.** This provision will only be applied to **ONE** test, so students should make every effort to be present and well-prepared for all tests.

A practice test and answer key will be available prior to each test.

Be sure to take advantage of this valuable resource!!

These test dates are tentative and are subject to change:

Test 1	**9/26**
Test 2	**10/22**
Test 3	**11/21**

* University Authorized Excuses: 1) Participation in a required/authorized university activity; 2) Verified illness; 3) Death in a student's immediate family; 4) Obligation of a student at legal proceedings in fulfilling responsibility as a citizen; and others determined by individual faculty to be excusable (e.g., elective University activities, etc.)

Final Exam: The final exam will be a departmental, comprehensive exam. All students will take the exam at the same time on Tuesday, Dec. 10 during class time.

Make-up final exams will not be allowed. The location of the final exam will be announced toward the end of the semester (Departmental policy).

*** NO MAKE-UP FINAL EXAM WILL BE ALLOWED!!! ***

Academic Integrity: Most students are honest in doing their school work. However, due to recent cheating events, action must be taken to protect the academic integrity of classrooms**. There is a NO TOLERANCE policy for cheating and if a student is caught cheating, he/she will either get a zero for the test or fail this course.**
Cheating in this course is defined as the following:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of nearby classmates.
- Having notes/practice work available during quizzes or tests.
- Possession or access to test items before the test is given.
- Deception in getting an excused absence to obtain the undeserved opportunity to make-up work.
- Use of cell phones or text messaging technology during exams or quizzes. **Students may NOT use the calculator on their cell phones or any other similar electronic devices (such as I-Pods, I-Touch, etc.). IF ONE OF THESE DEVICES IS AVAILABLE, IN ANY WAY, DURING AN EXAM OR QUIZ, THE STUDENT WILL BE GIVEN AN AUTOMATIC "0" ON THE ASSIGNMENT.**
- Improper citations in written works, or using another person's ideas and words as your own without giving proper credit.
- **Any** method, no matter how well rationalized or accepted, which improves a person's grade by any means other than study and skillful performances on exams and/or other assignments.

Students found guilty of an act of academic dishonesty will be subject to receiving an "F" in this course.

Classroom Behavior: Appropriate classroom behavior is required to attend this class. All cell phones and electronic devices must be silenced or turned off during class. Phones and electronics distract the instructor and the other students in the class. All people will be treated with respect. Talking that disrupts the class is not allowed.

Comments: It is important that students are actively engaged in class activities. Questions are welcome in the classroom. Students are welcome to schedule with instructors for extra help outside classroom during office hours.

Getting Help Outside of Class Time: Students have several sources of help at their disposal

1. My office hours
2. The online help inside MyMathLab
3. Other College Algebra students
4. Students who were successful in College Algebra last year
5. Scheduled appointments with the instructor
6. Scheduled appointments with other math teachers.

The **Mach III/TRIO Program** is available for students who qualify for additional resources, such as private tutoring. In order to qualify, students must meet certain conditions, such as being a first-generation college student. For more information, contact TRIO at 903-886-5833 or in the Halladay Student Services building, Room 300.

Calculator Loan Program: The Mathematics Department has set up a calculator loan program to support students. Students can borrow a calculator for a semester with a fee ($10 to $15 for TI-83/84). It is first come, first served.

Early Intervention for First Year Students: Early intervention for freshmen is designed to communicate the University's interest in their success and a willingness to participate fully to help students accomplish their academic objectives. Grades for students in freshmen level classes will be reported to the Registrar's Office at the end of the fifth week of class during the fall and spring semesters. The Registrar's Office will report grades to students, Advising Services, Academic Departments (faculty advisors) and mentors. This procedure will allow students to be knowledgeable about their academic progress early in the semester. The university, through Advising Services, faculty advisors and mentors, will take steps to assist students who may be experiencing difficulty to focus on improvement and course completion. Grade reports will be mailed by the end of the sixth week of the semester.

Student Health Services are located at Henderson Hall (Corner of Lee St. and Monroe St.). It offers health care to the student body of Texas A&M University – Commerce. It provides primary health care services including treatment of illness, injury, and women's health. **Tel:** (903) 886-5853.

Students with Disabilities: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce, Room 132, Gee Library
Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148
StudentDisabilityServices@tamu-commerce.edu

***** By Remaining Enrolled In This Course, All Students Agree To Abide By The Policies Of This Class, As Stated In The Syllabus *****

~ Good Luck and WORK Hard ~

Mission for College of Science, Engineering, and Agriculture: Innovation and Discovery
Mission for the Department of Mathematics: Discovering the Keys to Success

1314 TR Tentative Schedule (Fall 2013) For Students

Week 1 (Aug 27 & 29)
Syllabus, Review for Comp. Exam, & Intro of MyMathLab

Week 2 (Sept 3 & 5)
2.1, Comp. Exam, & 2.2

Week 3 (Sept 10 & 12)
2.2, 2.3, & 2.4

Week 4 (Sept 17 & 19)
2.5, & 2.6, 2.7, & Ch. 8 Sequences

Week 5 (Sept 24 & 26)
Review Test 1, Lassi Survey, & Test 1

Week 6 (Oct. 1 & 3)
Review solving quadratic equations, 3.1 & 3.2
Friday Oct. 4 * Deadline for Comp. Exam ***

Week 7 (Oct. 8 & 10)
3.3, 3.4, & 3.5

Week 8 (Oct. 15 & 17)
3.5, & 3.6, Wrap up & Review for Test 2

Week 9 (Oct. 22 & 24)
Test 2, 4.1, & 4.2

Week 10 (Oct. 29 & 31)
4.2, 4.3 & 4.4

Week 11 (Nov. 5 & 7)
4.4, 4.5 & 5.1

Week 12 (Nov. 12 & 14)
5.2, 6.5, 6.1, & 6.2

Week 13 (Nov. 19 & 21)
Lassi Survey, Review for Test 3, & Test 3

Week 14 (Nov. 26 & 28)
Thanksgiving Holiday

Week 15 (Dec. 3 & 5)
Review for Final Exam

Week 16 (Dec. 10 Tuesday)
FINAL EXAM