Course Syllabus: Math 1314.92E – College Algebra Spring 2022 (Dual Credits)
Date: Jan. 12, 2022 to May 13, 2022

INSTRUCTOR INFORMATION

Instructor: Nathan Scarcelli **Office Location: Binnion 304**

Office Hours: Tuesday/Thursday: 10am – 12:30pm

University Email Address: Nathan.Scarcelli@tamuc.edu

Office Phone: 903-886-5959 **Office Fax: 903-886-5945**

Preferred Form of Communication: Email

Communication Response Time: Within 24 hours M-F, 48 hours over weekends or holidays

COURSE INFORMATION

Material Required: MathXL for School (online homework) for College Algebra,7th Edition by Robert F. Blitzer is required. Please check with your school to see if MathXL online homework system is to be purchased by school together as a group or by student individually. If you need to purchase an access code on your own, you can go to mathxlforschool.com/support/marketing/purchase/ and scroll down to the bottom of the page to "Individual Student Purchase with a Credit Card". Follow the directions to complete the transaction. **To access your online homework, please log on to mathxlforschool.com once you have purchased an access code.**

Your instructor will provide you with a course ID which will allow you to register for the class homework once you have an access purchased.

In addition, please get a Binder to keep and organize all notes and course materials. A Texas Instruments (TI-83 or TI-83 Plus) graphing calculator for this course is highly recommended. All exams must be completed in pencil. Please start your online homework the first day of the course to prevent a loss in points for your grades.

Printed Textbook (Optional): The printed textbook, College Algebra, 7th Edition by Robert F. Blitzer **(**ISBN is 9780134469164) **is optional and can be accessed through MyLab.** Portions of Chapters 1-8 in the textbook will be discussed.

Course Description

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, which include 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, data, texts, or art.*** This common core objective will be assessed in exams and 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 to interpret, test and demonstrate principles revealed in empirical data and/or observable facts.*** 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.

COURSE REQUIREMENTS

Instruction: Instruction will be delivered in class and on D2L through lectures, demonstration and models, videos, and some group work, based on time available. All turned in work should be completed in pencil, please.

Attendance & Continual Enrollment: Attendance will be taken at the beginning each class. Logging into D2L and completing assignments will also be used to determine part of your attendance. Students need to actively participate in class and/or online to receive credit. **Attendance and participation (in person and/or online) are a must to be able to do well in this class**. It is expected that students follow the guidelines set forth by the Class Attendance Policy in the current Undergraduate Catalogue.

If students represent an athletic team for this university, departmental team, scholastic team, choir, or other group and must miss class, notify me in writing with the appropriate documentation within one week of the absence in order not to be counted absent. Arrangements for make-up work will be made at that time.

***** All students should be aware that they are NOT allowed to drop this math course, and that they must be continually enrolled in a math course until they have successfully completed their college-level math course (University Policy).*****

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 MyLab online homework system.*** Homework is due in a week after the day that is assigned (or before the exam day, whichever comes first). Please do not wait until the due dates to complete your homework to avoid emergency situations or run into technical difficulties.**

If a student experiences any technical difficulties with MyLab, 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 the instructor for some individual help.

Quizzes: Quizzes will be given periodically. Be sure to attend classes, so you don't miss the in-class quizzes. There may also be quizzes given on D2L. Please keep up with their due dates.

Class Activities/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.

Tutoring: Students can choose to attend tutoring in the Math Skills Center, TRIO, Supplemental Instruction tutoring sessions, and other on-campus tutoring sessions that are approved by the Mathematics Department.

Exams: There are three scheduled exams and a comprehensive final exam. **Face-to-Face testing is required for face-to-face classes. In general, students will take exams in class with instructors. A make-up exam may only be arranged if it is a documented excused absence. Make-up exams will be taken with the instructor or in an approved testing center. All make-up exams need to be taken before the graded exams are returned back to other students.**

Partial credit may be given on exams IF all work is neatly shown for determination of the student's mistakes. While taking exams, **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. All exams must be completed in pencil; failure to complete your exam in pencil will result in a reduction of the earned grade by 5 points.**

No make-up exams 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 an exam or even prevent a student from attending on an exam day. **We can replace the lowest exam 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** exam, so students should make every effort to be present and well-prepared for all exams. **A Practice exam and answer key will be available prior to each exam. Be sure to take advantage of this valuable resource!!**

* 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.)

Test dates are tentative and are subject to change:
See Class Schedule on the last page for exam dates.

Optional Final Exam: The final exam will be a departmental, comprehensive exam. It is scheduled for **Monday, May 9, 2022**. This semester, students have the option to opt not to take the final exam IF he/she fulfill these requirements:

- The student has a passing average grade after exam 3 and is happy with the final average, AND
- The student has completed the last assignment of final exam practice questions on MyLab with a passing grade, AND
- Inform the teacher clearly that he/she opt out of the final exam before the final exam day.

In this case, the average of all the exams taken before the final exam will be counted as 75% and together with the daily grades of 25% to make up for the 100% of the final grade.

On the other hand, if students opt to or need to take the final exam, the final exam grade can also be used to replace the one lowest exam grade. Students will then follow the grading policy outlined below to calculate for the final grade for the course.

Grading

Daily		**25%**
Homework and Practice Questions for Exams on MyLab	15%	
Attendance, D2L Daily Work, Notes, Projects & Surveys	5%	
Quizzes	5%	
Exams Average		**75%**
The average scores of All Exams **Exam 1 Exam 2 Exam 3 Optional Final Exam** (You have 1 attempt for each exam)		
Total		**100%**

Grading Scale: Grades will be assigned using the standard scale:

A = 90-100+ B = 80-89.9, C = 70-79.9 D = 60-69.9 F = 59.9 or below

TECHNOLOGY REQUIREMENTS

Students need to **check their MyLeo e-mail regularly** for class announcements.

Access to a **computer,** the **internet, MyLeo, D2L,** and **MyLab** will be needed for online homework assignments.

A scanner or a cell phone with a free scan app (CamScanner or Adobe Scan is recommended) that allows you to scan work out steps to a pdf file is required.

Access to a printer will be helpful if you like to print out class handouts.

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.

Calculator Loan Program: The Mathematics Department (Bin 305) 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 basis.

MyLeo Online Learning Management System (LMS):

D2L in MyLeo: All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements:

LMS Requirements:
https://community.brightspace.com/s/article/Brightspace-Platform-Requirements

LMS Browser Support:
https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:
https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements

Access and Navigation in MyLeo/D2L

MyLeo Support: You will need your campus-wide ID (CWID) and password to log into your course in D2L. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

Communication and Support: If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support: If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:
https://community.brightspace.com/support/s/contactsupport

COMMUNICATION AND SUPPORT

Interaction with Instructor Statement: 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 Office Hours: Utilizing the **multimedia library and online help from the MyLab online homework system** is suggested as a valuable resource for many students to improve their grades in Math classes. Also, the free tutoring on campus and from online is also highly recommended.

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.

University Police Department is located at Henderson Hall. For Emergency, please call: 911
For Non-Emergency, please call: 903.886.5868

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Getting Help Outside of Office Hours: Free tutoring is available for students who need help with their math courses.

The **Math Skills Center**, located in Binnion 328, is open ***Monday to Thursday 10 am – 6 pm. Friday 10 am – 2 pm.***

The **Academic Success Center** offers tutoring in the library, as well as Supplemental Instruction. Their hours can be found on the university web site. Also, each student has available tutoring hours through the online tutoring service, tutor.com. Additional details can be found here:
https://www.tamuc.edu/campusLife/campusServices/academicSuccessCenter/tutorInfo/default.aspx

Online Tutoring: Each students receive 3 free hours from www.tutor.com/tamuc. Use your MyLeo Log in and Password to access this. You can contact the instructor if you need additional free tutoring hours.

In addition, **Mach III/TRIO Services,** located in the Halladay Student Services building, Room 300, is available to students who meet certain criteria, such as being a first-generation college student, etc. Contact TRIO at 903-886-5833.

Academic Testing Center (ATC) in Ferguson (Social Sciences Building Room 308) is a place that you can schedule make-up exam if approved by your teacher and the math department. The operating hours for the ATC are Monday through Thursday 10 a.m. to 6 p.m. and Friday 10 a.m. to 3 p.m.

Syllabus Change Policy:
The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

Academic Integrity: In order to insure fairness and high academic standards, any actions which violate the principles of academic integrity through dishonesty or cheating are given serious consideration. In order to understand what constitutes a violation of academic integrity and the consequences of such behavior, the university's policies may be reviewed at: http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf. In particular, awareness of the following definitions is essential in order to know what represents academic dishonesty (pages 6 – 7):

"**Cheating**: Intentionally using or attempting to use unauthorized materials, information, notes, study aids or other devices or materials in any academic exercise. Unauthorized materials may include anything or anyone that gives a student assistance, and has not been specifically approved in advance by the instructor."
"**Complicity**: Intentionally or knowingly helping, or a attempting to help, another to commit an act of academic dishonesty."
"**Plagiarism**: The appropriation of another person's ideas, processes, results, or words without giving appropriate credit."

Furthermore, 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 **(such as iPods, iWatch, etc.). IF ONE OF THESE DEVICES IS AVAILABLE, IN ANY WAY, DURING AN EXAM OR QUIZ, THE STUDENT WILL NOT BE ALLOWED TO PROCEED WITH THE EXAM OR QUIZ AND MAY BE SUBJECT TO PENALTIES ON THEIR GRADE.**
- Improper citations in written works, or using another person's ideas and words as students 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.

While majority of students are honest in doing their school work, 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, the event is subject to reporting and placement on the student's academic record. No grade will be received for any assignments for which cheating occur.**

In summary, students found guilty of an act of academic dishonesty in this course will be subject to the disciplinary actions listed in the university policies. This includes several possible penalties depending on the severity and number of the incidents, which will be taken into account when specifying disciplinary actions.

Classroom Behavior: Appropriate classroom behavior is required to attend this class. All cell phones and electronic devices must be put on silent or turned off during class. NOTE: THIS INCLUDES BLUETOOTH AND OTHER DEVICES THAT ARE PLACED IN THE EAR. Phones and electronics are distractions for instructor and the other students in the class. All people will be treated with respect and talking that disrupt the class is not allowed. If disruptions occur during class time, a student will be asked to leave class and will earn a zero on any applicable grades for that class period. Serial disrupters will be asked to withdraw from this class.

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 Conduct: * "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. Cell phones, smart watches, and other electronic devices are to be put away during in-person class time and exams. *** The use of vapor/e-cigarettes, smokeless tobacco, snuff and chewing tobacco are prohibited inside classrooms and university buildings.**

The Code of Student Conduct is described in detail in the Student Guidebook.
http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx
Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: https://www.britannica.com/topic/netiquette

TAMUC Attendance: For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01.

http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf

ADA Statement, 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 students have a disability

requiring an accommodation, please contact: Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library- Room 162, Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148, email: StudentDisabilityServices@tamuc.edu. Website: http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/

Nondiscrimination Notice: This statement presents the University's commitment to a safe, accepting environment for all students regardless of sexual orientation, gender identification, or gender expression: A&M-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to (http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf) and/or consult your event organizer). Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

Counseling Services The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel.

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

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

***** Course Outline is on the last page of this syllabus. *****

Tentative Schedule (Spring 2022) Math 1314 Dual Credits Students:

	Date	Events	STUDY:
W	**1/12**	Syllabus, Intro to D2L and MyLab,	
F	**1/14**	**Review Basic Math: Order of Operations, Basic Exponent Rules, Factoring out GCF & Factoring different of 2 Squares**	**Review Basic Math I**
M	**1/17**	**MLK Holiday (No Class Meeting)**	**Review Basic Math I**
W	**1/19**	**Review Basic Math: Order of Operations, Solving Linear Equations & Inequalities, Basic Exponent Rules, & Basic Factoring**	
F	**1/21**	2.1	
M	**1/24**	2.2	
W	**1/26**	2.3 & Quiz	
F	**1/28**	2.4	
M	**1/31**	2.5	
W	**2/2**	2.6 & Quiz	
F	**2/4**	2.7	
M	**2/7**	Ch. 8 Sequences (Arithmetic and Geometric Sequences) & Quiz	**Study for Exam 1**
W	**2/9**	Review for exam 1	**Study for Exam 1**
F	**2/11**	**EXAM 1**	
M	**2/14**	**Review Factoring, Solving Quadratic Equations, Simplify Rational Expressions, Basic Rules of Exponents, Basic Simplify Rational Expressions**	**Review Basic Math II**
W	**2/16**	3.1	
F	**2/18**	3.2	
M	**2/21**	3.2 & Quiz	
W	**2/23**	3.3	
F	**2/25**	3.4	
M	**2/28**	3.4 & Quiz	
W	**3/2**	3.5	
F	**3/4**	3.5	
M	**3/7**	3.6 & Quiz	
W	**3/9**	Review for exam 2	
F	**3/11**	**EXAM 2**	
*	***	**March 14-18 Spring Break (No Class Meetings)**	
M	**3/21**	**Review Rules of Exponents & Simplify Rational Functions**	**Review Basic Math III**
W	**3/23**	4.1	
F	**3/25**	4.2	
M	**3/28**	4.2	
W	**3/30**	4.3 & Quiz	
F	**4/1**	4.4	
M	**4/4**	4.4	
W	**4/6**	4.5	
F	**4/8**	Quiz for Ch. 4 Materials	
M	**4/11**	5.1 (2x2)	
W	**4/13**	5.2 (3x3)	
F	**4/15**	6.5 (Cramer's Rule 2x2 & 3x3) & Quiz	
M	**4/18**	6.1 & 6.2 (Matrices 2x2 & 3X3)	
W	**4/20**	6.1 & 6.2 (Matrices 2x2 & 3X3) & Quiz	**Study for Exam 3**
F	**4/22**	**Review for Exam 3**	**Study for Exam 3**
M	**4/25**	**EXAM 3**	
W	**4/27**	**Optional Topic 2.8 & Project 1**	
F	**4/29**	**Optional Topic 7.1 & Project 2**	
M	**5/2**	**Review for final exam**	**Study for Final**
W	**5/4**	**Review for final exam**	**Study for Final**
F	**5/6**	**Review for final exam**	**Study for Final**
M	**5/9**	**FINAL EXAM, 3:30pm – 5:30pm**	**NOTE SPECIAL TIME!**