



Math 131.000 Intermediate Algebra
 COURSE SYLLABUS: Spring 2022, 3 semester credit hours

**SPECIAL NOTE: THIS COURSE IS A CO-REQUISITE MODEL COURSE.
 ALL STUDENTS MUST ALSO BE ENROLLED IN A
 SECTION OF MATH 1314 or 1324!!**

INSTRUCTOR INFORMATION

Instructor: Emmanuel Acquah

University Email Address: Emmanuel.Acquah@tamuc.edu

Office Hours: Mon/Wed: 2pm – 4pm

Thurs: 1pm – 2pm

Preferred Form of Communication: Email

Communication Response Time: Within 48 hours, unless over a weekend, holiday, or during school cancellation, such as bad weather days.


Office Phone: 903-886-5959

Office Location: BIN 324

Office Fax: 903-886-5945

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings:

Text & Supplement: This semester, the homework is being offered online, through your MyLeo. When you enrolled in this course, MyLab Math was integrated into your MyLeo account. There is NO NEED for you to purchase an access code, as it is being directly charged to you through a materials fee in your tuition and fees schedule. To access your homework, you will go into MyLeo and the “Apps” and look for the app for “MyLeo Online (D2L Brightspace)”. You should see directions to choose your course from the course grid that looks like:  Once you have chosen the Math 131 course, you will be able to see the “MyLab Math” link under the content options. Once inside MyLab Math, you may have to click on the option for the MyLab Math Homework in order to do your work.

NOTE: If for some reason you chose to opt-out when enrolling, you will need to speak with your instructor and/or the course coordinator about your access to the online homework.

You will need a notebook for taking notes and storing handouts, major quizzes, etc. All turned-in work must be done in pencil. I strongly recommend using at least a scientific calculator for this class as we move further in the material. As the course progresses, the use of a TI-83 or TI-84 is highly recommended (TI-89 and Inspire are not allowed). You will also want the TI calculator for your college-level course. In order to be able to do the online homework component, you will need access to the Internet.

OPTIONAL: The book we will be using is *Intermediate Algebra*, 7th Edition by Martin-Gay (ISBN 0134208854-9780134208855 for the loose-leaf book OR 0134197216-9780134197210 for the hard back).

We will cover selected portions of this text. If you are a student who needs or wants a hard copy of the book, you will purchase this book.

Course Description:

Intermediate Algebra. This course may not be used to satisfy any mathematics or degree requirements. This course covers: Basic algebraic operations, equations and inequalities, polynomials, functions, rational expressions, exponents and radicals, quadratic equations, and graphing. This course is being used as a co-requisite course to support students in their study at the level of college mathematics, specifically in College Algebra or Business Mathematics.

Student Learning Outcomes: Upon successful completion of this course, students will:

1. The student will be able to demonstrate their knowledge and application of basic algebraic concepts, as well as demonstrate an ability to think algebraically.
2. The student will demonstrate an ability to represent, model, and analyze expressions, equations, functions, and relationships.
3. The student will be able to proceed to the college-level course and be successful.

COURSE REQUIREMENTS

Minimal Technical Skills Needed:

Students must have a minimal amount of technical skills to be successful in this course. Skills needed include, but are not limited to: using the online learning system (D2L) in MyLeo; internet access (necessary if the student is ill and cannot come to class), using Microsoft Word, Excel, and PowerPoint; and the use of email.

Instructional Methods:

Instructional Methods: Instruction will include lectures, demonstrations and models, and some group and individual work, based on the time available throughout the semester. In particular, students will be expected to work on projects and activities that deal with statistical software (Excel) and real world applications of the material learned. If a student is ill, the lectures and coursework will be communicated through video lectures, video conferencing, and email.

Student Responsibilities/ Tips for Success in the Course:

Attendance/Participation: I will be taking roll every class. All students are expected to be present, and attendance will be reflected in your Daily Work grade. In addition, students must participate in class each day in order to receive full points for this category. If you are ill, please DO NOT attend class in person. There will be a virtual option in this case, so please email me to find out more information. **Please do not approach me as I am beginning a class period**, unless it is an emergency, so that we might start ON TIME. Please be in your seat and ready to work when class begins. **Class Participation:** In addition, students must participate in class each day in order to receive full points for this category. **Amount of weekly study:** The “rule of thumb” for a math class is that for every hour of class time, you should spend approximately 3 hours of study time outside of the classroom. This study time may include a variety of

activities, including but not limited to: re-organizing notes; working on homework; participating in a study group, tutoring, workshops, or Supplemental Instruction session; attending review sessions; and studying for quizzes and exams.

GRADING

Grading Policy:

<u>Type of Assessment:</u>	<u>Portion of the Grade:</u>
Daily Work (Homework, Quizzes, Projects, etc.)	15%
Major Quizzes (4 major quizzes; 15% each)	60%
Comprehensive Final	25%

Note: There will be an option for extra credit during week 15 of the course.

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

Note: All Intermediate Algebra grades are reported with an “R” in front of them to signify that they are not college-level.

90-100+ RA; 80-89.9 RB; 70-79.9 RC; 60-69.9 RD; 59-below RF

A grade of “C” (RC) or above must be achieved to continue to a college-level stand-alone course such as Math 1314, 1324, 1332, or 1342 in the next semester. Otherwise, the co-requisite model will be repeated.

Types of Grades/Assessments:

Daily Grades:

The daily grade is composed of several categories of assessments, including attendance, participation, homework, and quizzes.

Attendance/Participation: I will be taking roll every class. All students are expected to be present, and attendance will be reflected in your Daily Work grade. In addition, students must participate in class each day in order to receive full points for this category. If you are ill, virtual attendance will count as participation in class.

Homework: Homework will be assigned most class periods. **It is extremely important for you to work all homework in order to be prepared for the exams.** Homework can be accessed through your MyLeo portal in the app for “MyLeo Online (D2L Brightspace)”. The total number of assignments that are completed and turned in (punctually) by the student will be reflected in the Daily Work grade. **In general, NO late work will be accepted without appropriate documentation of a University-accepted absence.** A missed homework assignment or two, due to legitimate absence, will not significantly adversely affect your grade as long as you have kept up with all other assignments.

Quizzes & Special Activities: Throughout the semester, there will be quizzes. These grades will be averaged with your attendance, homework, and projects to create a “daily grade”. In addition, there will be special activities incorporated into the course. These activities may be developed into project-type activities and will also be counted in your “daily grade”. In general, these quizzes must be taken the day assigned. **Class Activities/Projects/Reflections:** Problems in the course material that have interesting applications for the class and real life will be introduced periodically into the class discussion. Regular

attendance will assist students with being able to participate in these activities and projects. These projects will vary in their scope and should be completed neatly and punctually.

In addition, please ensure that your name is written on all homework and quiz pages so that, when graded, you will receive proper credit for your work. Please, no spiral “chads” and, when possible, staple multiple pages in the same assignment together.

Major Quizzes: There are four scheduled Major Quizzes that will be given around every 3 weeks, offering “small chunks” to test over, rather than fewer exams covering more material. These will be given after completion of each chapter or section of material covered. **In general, I do not give any make-up major quizzes unless pre-arranged and accompanied by a documented University-excused absence.** Instead, I will allow each student to replace their lowest major quiz score by using the percentage scored on the final exam’s related section of material (if the section on the final exam results in a higher grade for you). Use this benefit wisely--this provision will only be applied to ONE major quiz grade. **Students will take exams in class with instructors or at a testing center. However, under special circumstances with documented excused absences, online proctoring maybe offered with permission of the Math Department ONLY.** For the online proctored exams, students must have required technology, such as computer and stable internet connection during the exam and a web camera or camera from cell phone connected to the testing center proctor(s). In addition, a printer, and scanner will also be helpful for such testing arrangement. All online proctoring exams will be recorded for instructors to review and be kept as a record for the math department. Immediately after the exam, students must scan all their written work with a scanner or scan app from their phone to a single pdf file and submit with an honesty statement along with their work to D2L.

CELL PHONES AND OTHER SUCH DEVICES MUST BE TURNED OFF AND STORED OUT OF THE STUDENT’S REACH DURING A MAJOR QUIZ. The only electronic device allowed during tests and quizzes is an approved, stand-alone calculator (such as a scientific calculator, TI-34, TI-83, TI-84, etc.), and only with the instructor’s permission. All major quizzes must be completed in pencil; failure to complete your major quiz in pencil will result in a reduction of your earned grade by 5 points.

Major Quiz Schedule:

Major Quizzes will be given at regular (as regular as possible) intervals throughout the semester, whenever a section of material is complete. Tentative testing dates are as follows, but subject to change:

Major Quiz 1 – Week of 2/7

Major Quiz 2 – Week of 2/28;

Major Quiz 3 – Week of 3/28;

Major Quiz 4 – Week of 4/18

Final: The final exam will be a comprehensive exam. All students will take the two-part exam during the week before Finals week. This will allow students to concentrate on studying for their college-level math course’s final exam which is scheduled for the week of final exams, according to the Final Exam Schedule. Please note that this is an unusual time and make appropriate arrangements to be in attendance during the last week of classes so that you may take this two-part exam. Do not expect a make-up exam for the final exam. Please pay attention in class for more details.

TECHNOLOGY REQUIREMENTS

Instructor Specific Technology Requirements:

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Mission for the Department of Mathematics: Discovering the Keys to Success*

MathXL for Homework: Due to the use of My Lab Math for homework, all students will need to be able to access the Internet, MyLeo, and D2L, whether through their own computer or access to a computer lab on campus. Other electronic devices such as Cell Phones, Bluetooth headsets, iPods, iPads, Laptops, e-Cigarettes, and other devices as determined by the instructor and/or department, are NOT allowed to be used in this course.

Calculator: A calculator will be useful in this course. If you are looking for a graphing calculator, a TI-83 or TI-84 calculator (or equivalent) is RECOMMENDED for this course.

Internet access is REQUIRED. Projects, etc., may be given online. If you use the ebook, you will need to be able to access the site.

Word processing software is REQUIRED. (Microsoft Word preferred/compatibility required)

Email access is REQUIRED. Please utilize your A&M-Commerce email address, or make me aware of your alternate email address.

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

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

A web camera AND cell phone with camera will be needed in case of the need of online exam proctoring.

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. 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

A&M-Commerce Supports Students' Mental Health

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.

Interaction with Instructor Statement:

Students will be expected to interact with the instructor(s) in class or via electronic means in an appropriate manner. All instructor contact information is listed on this syllabus and should be used. Please use email to facilitate a quick response.

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>

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies:

Attendance and Continual Enrollment:

Math 131 in a non-credited course and each student must receive a "C" (RC) or higher to move on to Math 1314, 1324, 1342, or 1332. Due to the nature of this course, **attendance is a must to pass this class**. I will take roll every class period and it is expected that you follow the guidelines set forth by the Class Attendance Policy in the current Undergraduate Catalogue. Your attendance, along with your quiz average, homework, projects, tutoring, and special activities, will make up your "daily grade" for this course.

Also, all students should be aware that they are NOT allowed to drop a developmental math course, and that they must be continually enrolled in a math course until they have successfully completed their college-level math course. In addition, beginning Fall 2018, the state of Texas is requiring all Institutions of Higher Education to use the "**co-requisite model**" for all developmental courses. Thus, if you are enrolled in this course, you are ALSO enrolled in a college-level math course, for a total of SIX hours of math this semester. Therefore, all students should take this course seriously and make every effort to be in attendance and to be successful on the daily assignments and exams.

Tutoring:

Due to the math-intense nature of these courses, EVERY Math 131 student should attend tutoring in order to receive help in areas of math where the student may feel uncertain.

- **Mach III/TRIO Program:** The Mach III/TRIO Program is available for students who qualify for additional resources, such as private tutoring. Students may qualify by meeting a variety of conditions. For instance, one way to qualify is by being a first-generation college student. For more information, contact TRIO at 903-886-5833 or in the Halladay Student Services building, Room 301.
- **Math Skills Center:** The Mathematics department has a Math Skills Center (Binnion 328) that is available to all students. **Hours: M-R 10 am – 5 pm and F 10 am – 2 pm.** Computer tutorials, video libraries and live tutors are there to help you with all subject matter in this course. I encourage you to take full advantage of this FREE service.
- **Academic Success Center:** Tutoring in the library. See the university web site for schedules.

Comments:

I will do my best to make a quality presentation each class and, in return, I expect that you will do your best to learn the material presented in class and in the text. This course will be taught as hands-on as possible, and student participation is necessary daily. It is important that you be actively engaged in any group activities. Questions are welcome in the classroom, and I will gladly schedule outside help sessions if necessary. I know that together, these efforts can contribute significantly to your education in this class.

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.

University Specific Procedures:

Student Conduct:

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#) (See link below). All students are expected to exercise self-discipline and respect for the rights of others at all times. Behavioral disruptions that interfere with the business of the “classroom” or with an individual’s ability to learn may be referred to the Dean of Students. Courtesy to others is important. That means respecting the opinions of others, and in general, doing your part to make this a positive learning environment for all students.

<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>

Appropriate classroom behavior is required to attend this class. *All cell phones and other such devices must be put on silent or turned off during class.* Phones are a distraction for me and the other students in the class. NOTE: THIS INCLUDES BLUETOOTH AND OTHER DEVICES THAT ARE PLACED IN THE EAR. All people will be treated with respect and I will not allow talking that will disrupt my lectures. If disruptions occur during class lectures, you will be asked to leave class and will earn a zero on any applicable grades for that class period. Serial disrupters will be asked dealt with individually, including referral to the Dean of Students. If you are withdrawn from this course as a result of disruptions, you will be withdrawn from school, entirely.

TAMUC Attendance Policy:

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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>

Academic Integrity:

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

As stated in the Student Handbook, academic dishonesty in the class will not be tolerated. If any materials or equipment are found to be available to the student at any time which is considered inappropriate by the instructor, the very fact that the materials are inappropriately available to the student is grounds for an accusation of academic dishonesty. The instructor reserves the right to fail the student for the assignment or the course, as well as report the student to the Academic Dean and/or the Dean of Students. They also have the ability to terminate the student's enrollment in the University. The instructor considers this an extremely serious matter. Please make sure you are not in a situation that could be viewed negatively.

I find that a majority of students are honest in doing their school work. However, we must take measures to protect the academic integrity of the classroom. **I have a NO TOLERANCE policy for cheating and if you are caught cheating, you will probably fail that portion of the course, as well as possibly the entire course.** Cheating in this course is defined as (but not limited to) the following:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of nearby classmates.
- Having notes/practice work/etc. 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/other devices during exams or quizzes. **You may not use the calculator on your 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.**
- **Any** method, no matter how well rationalized or accepted, which gives an unfair advantage and/or 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 in this course will be subject to receiving an "F" in this course, as well as the below-mentioned disciplinary actions, as deemed appropriate.

Specific additional disciplinary action for these offenses may include any combination of the following:

- Point deduction of an assignment
- Failure of an assignment
- A grade of zero for an assignment
- Failure of this course
- Referral to the Academic Integrity Committee or department head for further action
- Referral to the Dean of the College of Science and Engineering, and other Deans as appropriate
- Referral to the University Discipline Committee

Grade Reporting for Freshmen/Early Intervention:

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.

Students with Disabilities -- ADA Statement:

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
Gee Library, Room 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148

Email: StudentDisabilityServices@tamuc.edu

Website: [Student Disability Resources & Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Non-Discrimination Notice:

Texas A&M University-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.

Concealed Carry Statement:

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 the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

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.

COURSE OUTLINE/CALENDAR

Topics Covered (tentative schedule): Tentatively, the following content will be covered during the following weeks. Changes to this schedule will be made during class, if needed. **NOTE: THIS SCHEDULE IS VERY SUBJECT TO CHANGES!!**

Week	Date	Topic
0	1/12	Syllabus, Introduction, Review Material
1	1/17	Labor Day Holiday (No Class Meeting) Review Material on Interval Notation, Solving for a Variable, Slope, x, y – intercepts, Multiplying Polynomials
2	1/24	Multiplying Polynomials, Factoring
3	1/31	Factoring, Review
4	2/7	Major Quiz #1 Linear Inequalities, Simplifying Radicals,
5	2/14	Complex Numbers, Solving by Square Root, Quadratic Formula, Domain of Rational Functions,
6	2/21	Solving Quadratics Review, Intro to Polynomials, Review
7	2/28	Major Quiz #2 Exponent Rules,
8	3/7	Distance & Midpoint, Rational Exponents,
	3/14-3/18	SPRING BREAK
9	3/21	Operations with Radicals, Rationalizing the Denominator,
10	3/28	Solving Radical Equations Review, Major Quiz #3,
11	4/4	Interest Word Problems, Completing the Square
12	4/11	Multiply and Divide Rational Expressions
13	4/18	Review, Major Quiz #4
14	4/25	Review for Final Exam for Developmental Math Course,
15	5/2	Final Exam Part 1, Final Exam Part 2, University Study Days
16	5/9	FINAL EXAM IN COLLEGE-LEVEL COURSE; SEE SYLLABUS FOR THAT COURSE!! ***NOTE: Special Time!***