Department of Mathematics
Syllabus for
Math 1314-301CL – Fall 2025
Dual Credit College Algebra
M-F in Room R118

Instructor Information: Danielle H. Smith
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281-229-6553

Student Hours (Tutorials): T, W, Tr, F 8:55-9:25am
Conference: 2nd Period (8:00-8:50am)

Course Textbook: College Algebra, 5th edition by Beecher, Penna, Bittinger, from Pearson. You will have access to a digital version of the textbook through MyLab Math in D2L Brightspace.

Course Description: College Algebra is an in-depth study and applications of polynomial, rational, exponential, and logarithmic functions, and system of equations using matrices.

Course requirements
Homework: There will be a homework assignment for each section we cover in class to be done online through D2L using MyLab Math. All due dates for homework and other online assignments such as quizzes will be given as material is covered in class.

Quizzes/Exams: There are four quizzes to be done online using MyLab Math. You can retake each quiz just once to improve your score; the higher score will be the one that counts. There will also be in-class quizzes. In-class quizzes cannot be made-up or retaken. There will be three chapter-exams and a comprehensive final. These will be done in class. **There are no retakes on any of the exams.**

Determination of Course Grade/Detailed Grading Formula: The course grade will be determined by the following formula:

> **10% HW Average**
> **10% MyLab Quiz Average**
> **10% In Class Quiz Average**
> **55% Exam Average**
> **+   15% Final Exam**
> **=   Final Average**

Grading Scale: Grade A: Final Average in [89.5, 100]
                    Grade B: Final Average in [79.5, 89.5)
                    Grade C: Final Average in [69.5, 79.5)
                    Grade D: Final Average in [59.5, 69.5)
                    Grade F: Final Average in [0, 59.5)

Late Work, Make-Up, and Extra Credit:
Late homework can be submitted, but there is a 20% grade penalty on late assignments. Late work will only be accepted until the date of the corresponding exam. In class quizzes and tests must be taken on days scheduled unless you notify me **in advance** of any issues. There is no extra credit.

Attendance Policy: Attendance and participation is required.

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions and inverses	Critical Thinking Skills (CT)	Exam 1
2. Recognize and apply polynomial, rational, exponential and logarithmic functions and solve related equations.	Critical Thinking Skills (CT)	Exam 2, 3
3. Apply Graphing Techniques	Visual Communication Skills (CS)	Exam 2, 3
4. Evaluate all roots (zeros) of higher degree polynomials and rational functions.	Critical Thinking Skills (CT)	Exam 2
5. Recognize, solve and apply systems of linear equations using matrices.	Empirical and Quantitative Skills (EQS)	Exam 4

Academic Dishonesty: College of the Mainland is committed to a high standard of academic integrity. All students are responsible for honesty and independent effort. Incidents of academic and scholastic dishonesty (including cheating, plagiarism, and collusion) will be dealt with in a manner that is consistent with College Policy and the Student Handbook. Any student found to have been academically dishonest on an assignment, quiz or exam will receive a zero for that assignment, quiz or exam and he or she will be referred to the Office of Student Conduct for further disciplinary action. Please read the sections on *Standards of Student Conduct and Discipline and Penalties* in the on-line Student Handbook.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Leslie Richardson, Mathematics Dept. Chair at lrichardson@com.edu.

Productive Workplace
Students are expected to bring all tools necessary for success to class every day. These tools include writing implements, notebook/notebook paper and an approved calculator. All other items (back packs, purses, bags, etc.) must be removed from your desk. Your cell phone is to be placed on SILENT and placed in your purse, backpack, or pocket. It is not to be out during class. ***Having a cell phone out during class is an interruption to the learning environment for your classmates, yourself, and the instructor.***

Course outline: *subject to change at instructor's discretion*   updated: 8/13/25

Week/ Date	Topic
1 8/18	1.1 Introduction to Graphs Due 8/21 1.2 Functions and Graphs Due 8/24
2 8/25	1.3/1.4 Linear Functions & Equations Due 8/28 1.5 Linear Functions, Zeros Due 8/28 2.1 Increasing, Decreasing, and Piecewise Functions Due 8/31 *Quiz 1: Sections 1.1-1.5 Due 8/31*
3 9/1	**9/1 - Labor Day Holiday** 2.2 The Algebra of Functions Due 9/4 2.3 The Composition of Functions Due 9/7
4 9/8	2.5 Transformations *Due 9/11* *Review for Exam 1 Due 9/11* **Exam 1: Chapter 1, 2** (Tr-F 9/11-9/12)
5 9/15	*Homecoming Week* 3.2 Quadratic Functions Due 9/18 3.3 (begin) Graphs of Quadratic Functions Due 9/25
6 9/22	**9/22 – Dickinson Student Holiday** 3.3 (cont'd) Graphs of Quadratic Functions Due 9/25 4.1 Polynomial Functions Due 9/28
7 9/29	4.2 Graphs of Polynomial Functions Due 10/2 4.3 Remainder, Factor Theorems Due 10/5

8
10/6
	4.5 Rational Functions Due 10/9
	  Quiz 2: Finding Zeros. Sections 3.2, 4.3, 4.5 Due 10/09
	  Review for Exam 2 Due 10/14
	  10/10 - Dickinson Student Holiday

9 10/13	**10/13 - Dickinson Student Holiday** **Exam 2: Chapter 3, 4** (T-W 10/14-10/15) 5.1 Inverse Functions Due 10/19
10 10/20	5.2 Exponential Functions and Graphs Due 10/23 5.3 Logarithmic Functions and Graphs Due 10/26 *Quiz 3: Graphing Techniques. Sections 5.1-5.3 Due 10/26*
11 10/27	5.4 Properties of Logarithmic Functions Due 10/30 5.5 Solving Exponential Equations and Logarithmic Equations Due 11/2

12
11/3
	5.6 Applications and Models Due 11/6
	  Review for Exam 3 Due 11/6
	  Exam 3: Chapter 5 (Tr 11/6)
	6.3 (begin) Matrices and Systems of Equations Due 11/13

13 11/10	6.3 (cont'd) Matrices and Systems of Equations Due 11/13 6.2 Systems of Equations in Three Variables 11/16
14 11/17	6.4 Matrix Operations Due 11/20 *Quiz 4: Sections 6.2-6.4 Due 11/20* Review for Final Exam
15	**11/24-11/28 Dickinson Thanksgiving Break**
16 12/1	Review for Final Exam **Final Exam** (T-W 12/2-12/3)

Note: W-Day 11/15   COM Last Day 12/4

Academic Success Resources

Tutoring
The Tutoring Center is here to support your academic success! We offer free, personalized academic assistance through one-on-one tutoring, available both in person and online. Need help after hours? Tutor.com provides 24/7 support and is accessible through your D2L course shell. Whether you're looking to master course material or boost your learning habits, we're here to help. For more information, visit https://www.com.edu/tutoring, email us at tutoringcenter@com.edu, or contact us at 409-933-8703

Success Coaching
The Math Success Coach is here to help you navigate this course and stay on track both academically and personally. Support is offered through one-on-one coaching sessions covering topics such as time management, goal setting, stress management, study habits, and motivation. Whether you're overcoming challenges or aiming to improve your performance, the Math Success Coach provides encouragement, accountability, and practical tools for success. Email successcoaching@com.edu for more information.

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook https://www.com.edu/student-services/student-handbook.html. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.*

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact: **Kimberly Lachney**, Student Accessibility Services Coordinator
Phone: 409-933-8919   **Email:** AccessibilityServices@com.edu
Location: COM Doyle Family Administration Building, Student Success Center

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 1. The last date to withdraw from the 16-week session is November 14. The last date to withdraw for the 2nd 8-week session is November 25.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals

Resources to Help with Stress: If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here https://www.com.edu/community-resource-center/. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Nondiscrimination Statement: The College District prohibits discrimination, including harassment, against any individual on the basis of race, color, religion, national origin, age, veteran status, disability, sex, sexual orientation, gender (including gender identity and gender expression), or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of College District policy.