

HOLMES COMMUNITY COLLEGE

COURSE SYLLABUS

Revised 04/22/2025

MAT 1313

College Algebra

3 CREDIT HOURS

- I. **Catalog Description:** MAT 1313 – College Algebra (Prerequisite: MAT 1233 with a C or appropriate placement score for MAT 1313). This course includes the following topics with applications: inequalities; functions; linear and quadratic equations, and their graphs; rational, radical, and higher-order equations; polynomial and rational functions; logarithmic and exponential functions; systems of equations. Three hours lecture. Three hours credit.
- II. **Student Learning Outcomes:**
Upon completion of the course, the student will be able to:
- A. Solve inequalities.
 - B. Perform operations and compositions of functions; find inverses of functions.
 - C. Graph linear and quadratic equations.
 - D. Solve linear, quadratic, rational, radical, higher-order, exponential and logarithmic equations.
 - E. Analyze polynomial, rational, exponential and logarithmic functions.
 - F. Solve systems of equations.
- III. **Methods of Evaluation:**
Student performance will be evaluated through homework assignments, quizzes, major tests, laboratory exercises and final exam (to count at least 20% of the final average).
Grading Scale: A.....90 – 100 B.....80 – 89 C.....70 – 79 D.....60 – 69 F.....Below 60
- IV. **Resources:**
College Algebra, Gustafson/Hughes. Cengage Publishing Company includes WebAssign component.
Instructor-made supplemental handouts
Model TI 30X IIS or TI 30XS Scientific Calculator is required. Graphing calculators are NOT permitted.
The official mode of communication at Holmes Community College is via email through the Student portal. Students are responsible for checking their Holmes email for announcements, assignments, etc.
- V. **Laboratory Topics:**
WebAssign component.
- VI. **Class Policies and Procedures:**
To be determined by individual instructors in keeping with the *Policy and Procedures Guide* and *Bulletin* of Holmes Community College.

ADA Policy

Holmes Community College through the Office of Disability Support Services (DSS) provides reasonable accommodations for students with disabilities. DSS verifies eligibility for accommodations and works with eligible students to develop and coordinate plans to provide those accommodations. DSS is committed to ensuring equal access to a quality education for qualified students with disabilities through the provision of reasonable academic accommodations and auxiliary aids which support the College standards and academic integrity.

The Office of Disability Support Services is committed to creating a positive campus environment where students with disabilities are encouraged to pursue careers on the basis of personal interest and ability. DSS is a non-fee generating program designed to meet the unique needs of HCC students with disabilities. Reasonable accommodations are offered in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA).

DSS staff may be contacted at (662) 472-9088.

I. Instructor Information

- a. **Instructor's name** – Mrs. G. Gibson
- b. **Office Location** – MCHS Room 223
- c. **Office phone number** – 601-856-7121
- d. **Email address** – ggibson@madison-schools.com or ggibson@holmescc.edu
- e. **Office hours** – *7:45-8:20 (**Email to schedule an appointment**)
 - * During planning blocks (4th & 7th)
 - * After school

II. Grading Plan

ALL GRADES WILL BE POSTED IN HOLMES CANVAS! Make sure you check your grades regularly.

Online homework – 20%

Homework will be done through **WebAssign**, which will be accessed through Holmes Canvas. All homework will be due by midnight of test review day. There will be **NO** late grades or extensions.

Unit Tests – 60%

There will be five unit tests. These will be multiple choice and/or short answer.

- **Make-up work and exam policy:**
There are no make-up tests. Students will only be allowed to make up tests with a written excuse from a medical professional, military or court official. The test should be made up within 7 days of the return date listed on the written excuse.

****Date, time, location of Final Exam (Unit 5 Test) – May 6/7 during your regular class block**

V. Attendance Policy

1. Attendance will be recorded every class meeting or the first day the student registers for the course. It is so important that you are here and on time. You will miss important information and assignments if you are absent!
2. The student is responsible for all assigned work, **including work which occurred prior to the student's enrollment in the class.**
3. Students with excessive absences will be withdrawn from the course. Students will receive a warning of absences via Holmes email at the time **they have 7 absences. On the 8th absence, the student will be withdrawn from the course.**
4. First day to withdraw from a full-semester class is March 10, 2026. *Students may withdraw with a W if the allowed number of absences has not been exceeded.* The last day to withdraw from a class or all classes is April 3, 2026.