

Math 116e: College Algebra - Course Information Winter 2024

Professor: Lee Emanuel

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Hours: 11:00 - 12:00 MTWRF

Other: By appointment

Description: This course fulfills the Quantitative Reasoning requirement in the Foundations category of WKU's Colonade program. The topics will include functions: linear, quadratic, polynomial, exponential, logarithmic and rational. Systems of equations will also be covered. If your high school gpa is a 2.0-2.99 or your Math ACT is 19 or lower or if your Math SAT is 200-510 or your KYOTE College Algebra score is 0-11 it qualifies you for MATH 115E or MATH 116E with corequisite Math 105 course.

Course Materials: College Algebra: Graphs and Models, 6th Edition, Bittinger, Beecher, Ellenbogen, Penna; ISBN-13: 9780134179032. The e-book is available when you register with **MyMathLab**. The instructor course id is: **emanuel99871**.

****Your access code can be obtained two ways:** 1) In Blackboard, select this course MATH 116E-700 (Wi24) then click on "Course Materials" then click on the green bar **Reveal Access Code**. Copy the code and then go to the Pearson website to register: <https://mlm.pearson.com/northamerica/mymathlab/>
2) **On the first day of class** you will receive a First Day Access welcome email from the Bookstore your code will also be included at the bottom of that email. The email's subject is "Your First Day Inclusive Access Materials Are Available" and it will come from the email address: support@firstday.bncollege.com
Your WKU account will be charged, you do not need to purchase any other codes or access. Use **Google Chrome** or **Firefox** web browser and allow pop-ups, **Safari** may likely cause problems. I will be posting some additional materials on Blackboard, but the largest portion of the course is through the MML online site.

Calculator and Laptop: A graphics calculator from the TI-83 or TI-84 family will be required for this course. You may not use your cell phone, a TI-89 or a Casio FX-115ES Plus. Laptops can be reserved at <https://td.wku.edu/TDClient/34/Portal/Requests/ServiceDet?ID=225>.

*Three ring notebook, paper, pencils.

Attendance: This is a completely online course, there will be no class meetings. I encourage you to take advantage of the office hours to ask questions via zoom or phone.

Content: Chapters 1 - 6, as selected by the instructor.

Homework: You will generally have 5-6 homework assignments each week. They will become available via **MyMathLab** Monday mornings at 12:00 am, they must be completed by the following Sunday evening at 11:59 pm. You have a full week to complete these assignments and I caution you not to wait until the last moment to begin working on them. I am allowing 2 additional days for you to complete the assignments but you will lose 10% of the grade for each day. The 5th week has only 1 extra day. There is no extra credit. The average of this work will account for **30%** of your final grade.

Quizzes: You will generally have 5-6 quizzes each week. They will become available via **MyMathLab** Monday mornings at 12:00 am, they must be completed by the following Sunday evening at 11:59 pm. You have a full week to complete these assignments and I caution you not to wait until the last moment to begin working on them. I am allowing 2 additional days for you to complete the assignments but you will lose 10% of the grade for each day. The 5th week has only 1 extra day. There is no extra credit. The average of this work will account for **70%** of your final grade.

Final: There will be no comprehensive final at the end of the semester.

Grades: Little credit is awarded on quizzes or exams unless supporting work is shown. Grades are assigned according to the following percentages:

90-100: **A**, 80-89: **B**, 70-79: **C**, 60-69: **D**, 0-59: **F**

Mathematics Laboratory:

-Room COHH 2124:

Monday - Thursday 9:30 am - 1:30 pm

Math Tutor:

Monday - Thursday 1:00 pm - 3:00 pm

Disability Accommodation:

"Students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services, DUC A201. The OFSDS telephone number is (270) 745-5004 V/TDD, 745-3030 TTY.

Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services."

Title IX, Discrimination, Harassment:

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's Title IX Sexual Misconduct/Assault Policy (#0.2070) at <https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and Discrimination and Harassment Policy (#0.2040) at

https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf

Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.

Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are "Responsible Employees" of the University and **MUST** report what you share to WKU's Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU's Counseling and Testing Center at 270-745-3159.

Outcomes for Math 116e:

1. Identify fundamental functions.
2. Construct graphs of fundamental functions.
3. Solve equations and inequalities involving fundamental functions.
4. Form and solve equations from application problems.
5. Determine properties and attributes of polynomial functions.
6. Solve equations involving exponential and logarithmic functions.
7. Utilize the capabilities of the graphics calculator.