

Prerequisite Satisfactory scores on the Math ACT and WKU Math Placement Exam.

Professor Dr. David K. Neal COHH 4109 david.neal@wku.edu

Office Hrs MW 2:05 – 2:55; or by appointment.

Text No text is required. Course notes, exercises, and practice quizzes will be provided in pdf format at <http://people.wku.edu/david.neal/115/>

Calculator The TI-83+ or 84+ is required. Many calculations will require built-in calculator functions. Please bring your calculator to each class.

Course Description MATH 115 satisfies the Colonnade Quantitative Reasoning F-QR requirement. It is intended primarily for students who are not majoring in a scientific or technical field, and is not intended for students whose curriculum requires trigonometry or calculus. The course emphasizes real-world problems that involve reading, writing, solving, and clearly explaining results. Topics include linear functions, quadratic functions, exponential and logarithmic functions, other special functions, and systems of equations.

Ogden Student Course Attendance Statement

The faculty and staff of Ogden College of Science and Engineering are committed to providing you with learning experiences and opportunities. You must assume ownership of your education and be an active participant in the classroom and laboratory to take advantage of these opportunities. **Active participation requires you to attend.** Scientific studies have shown that attendance during scheduled classroom and laboratory meetings is directly correlated to your performance on assignments and exams and the potential to earn higher grades. Additionally, if you do not regularly attend class, you are missing important information about course topics, due dates, and assignment details that are crucial to your success in the course. Therefore, as a student enrolled in an Ogden course, you are expected to attend every class meeting and to inform your instructor regarding the reasons for any absences as soon as practical. Your instructor may incorporate class attendance/participation as part of the grading criteria.

My Attendance Policy

WKU policy states “Registration in this course obligates you to be regular and punctual in class attendance.” Therefore, attendance is required and students are expected to attend class. Please do not ask to be excused from class in order to do other academic or personal activities.

Testing Procedure

There will be approximately 35 pages of test material throughout the semester usually given one or two pages at a time as a quiz at the end of class, with a final quiz/short test during the final exam period. You must be in class to take these quizzes. If you miss class, then you will get a 0 for that quiz. That should never be a problem since you are required to attend class. Your final grade will be the average of all these quizzes along with any other small ancillary assignments I may happen to give.

Grading Scale

A: Final Average $\geq 92.5\%$

B: $83.5\% \leq \text{Final Average} < 92.5\%$

C: $73.5\% \leq \text{Final Average} < 83.5\%$

D: $68\% \leq \text{Final Average} < 73.5\%$

Learning Outcomes

Quantitative Reasoning courses teach students to interpret, illustrate, and communicate mathematical and/or statistical ideas. Students will learn to model and solve such problems. In general, successful students will demonstrate the ability to:

1. Interpret information presented in mathematical and/or statistical forms.
2. Illustrate and communicate mathematical and/or statistical information symbolically, visually and/or numerically.
3. Determine when computations are needed and execute the appropriate computations.
4. Apply an appropriate model to the problem to be solved.
5. Make inferences, evaluate assumptions, and assess limitations in estimation modelling and/or statistical analysis.

Specifically, successful students in this section will demonstrate proficiency in the ability to correctly work problems and properly explain and/or interpret results in each of the various algebraic topics that are included in the course.

Withdrawal Date

November 4, 2019 is the last day to withdraw from the course with a grade of W or to change enrollment from credit to audit.

Mathematics Tutor Lab

For extra help in the class, tutors may be available in the Math Lab in COHH and in the Student Learning Center. Please check at these facilities for the specific times and availability of tutors.

ADA Accommodation Statement

In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. The SARC can be reached by phone at 270-745-5004 [270-745-3030 TTY], or by email at sarc.connect@wku.edu. Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

Title IX Misconduct/Assault Statement

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 WKU's 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.