

MATH 109 - 010 ~~~General Mathematics~~~ Summer 2022

The only way to learn mathematics is to do mathematics.

I welcome you to my math course! I'm looking forward to working with you this semester. It is my intention to help you as much as I can to achieve success in this course. I am looking forward to you achieving your goals and making me proud. I am rooting for you so let get this done. Please do not hesitate to reach out to me if I can be of any assistance. Stay safe and GO TOPS!

This syllabus gives a detailed explanation of the policies and procedures for this course. You are responsible for abiding by all of the rules and policies stated in this syllabus. Read it very carefully and refer to it throughout the semester. Please ask for clarity on any item that is unclear to you.

Associate Professor of Mathematics: Michelle S. Jones (She/Her/Hers) Email: michelle.jones@wku.edu

Google Voice Phone: 270.883.1336 Office: College High Hall (COHH) 4102 Office Hours:

Monday	11:15 - 12:15	
		Other times
Tuesday	11:15 - 12:15	available
		by
Wednesday	11:15 - 12:15	appointment
		only
Thursday	11:15 - 12:15	

I can also meet with you virtually. Students can schedule virtual appointments via my calendly link:

https://calendly.com/michelle-jones-wku-math

Clicking on this link will allow you to see my availability in 30-minute increments. If you require a longer appointment, please schedule two back-to-back appointments. Once you schedule an appointment, a zoom meeting will be created and placed in my calendar. You will also receive email verification of the appointment with the option to add to your calendar. If you would like to meet with me virtually and these times do not fit your schedule, please send an email to me at <u>michelle.jones@wku.edu</u> to discuss alternate meeting times.

Course Description: Terminal course for non-science majors suggested for the student who has satisfactorily completed minimum high school math requirements and needs no further work in algebra. Topics include sets, introduction to probability and statistics, geometry and consumer mathematics.

Prerequisites: Math ACT score of at least 19 or SAT score of at least 510.

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Course Sites:

- 1. MyMathLab: <u>This site will be accessed through Blackboard and will be used for</u> <u>completing online homework assignments only.</u> The average on this site does not take into consideration offline assignments. Please refer to blackboard for semester averages.
- <u>https://wku.blackboard.com/webapps/login/</u> <u>This site is only used to deliver information and to record grades</u>. If you experience technical issues, please contact the WKU IT Help Desk at (270)745-7000.

Required Materials:

- 1. Technology: First Day Access MyMathLab Miller, which will also allow access to the online textbook. **I will discuss purchasing in class.**
- Scientific Calculator (The TI-36X Pro is the one I will be using in class. <u>No TI-89 or casio</u> <u>calculators allowed. If you bring an unauthorized calculator to class, you will not be allowed</u> <u>to use it).</u>
- 3. Pencils (Any assignment handed in must be completed in pencil)
- 4. A notebook or paper for note taking
- 5. A positive attitude and a desire to learn

Course Design Overview:

- 1. Class meets five days per week for 100 minutes at the scheduled time.
- 2. The course consists of lecture days, cooperative learning days and testing days.
- 3. You will be required to complete all homework assignments online using a web-based learning and assessment system called MyMathLab.

Course Objectives: This course fulfills the Quantitative Reasoning requirement in the Foundations category of WKU's Colonnade program. As part of that program, in MATH 109 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 modeling and/or statistical analysis.

Upon successful completion of this course, students will be able to:

- understand and solve problems involving Venn diagrams, combinations and permutations
- understand basic rules of probability, expected value and conditional probability
- solve problems involving measures of central tendency and measures of dispersion
- solve problems using the normal distribution curve
- calculate the margin of error in polls
- calculate simple interest, compound interest and annuities
- solve geometry problems involving perimeter, area, volume and surface area

Diversity Statement: Students in this course represent a variety of racial, ethnic, cultural, and religious backgrounds. I believe that individual and collective educational excellence can only be achieved in an environment where **human diversity** is valued. I define diversity as the inclusive mixture of all of the differences that make the individuals at Western Kentucky University unique. It is

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my intent that students from all types of diverse backgrounds and perspectives receive the same level of commitment and service in my courses. I view the differences that we each bring to the classroom as valuable resources that can only benefit each of us as productive humans. Please do not hesitate to let me know ways in which I can improve the effectiveness of this course for you. My goals for diversity:

- ✓ Provide an inclusive and respectful climate for all students.
- ✓ Ensure respect for all students regardless of any uniqueness. Including, but not limited to gender, race, religion, sexual orientation, socioeconomic background, etc.
- ✓ Help the class to learn from the wide array of human similarities and differences in our increasingly diverse world.
- ✓ Immediately address thoughtlessness that may limit our efforts.

Students' goals for diversity:

- ✓ Respect the variety of differences in the classroom through your actions, choice of words, and behavior.
- ✓ Discourage thoughtless actions that contribute to unwelcoming classroom environments.
- ✓ Report issues of intolerance or other behaviors that may be offensive to you and/or other students.
- ✓ Experience the classroom with an open mind and personal flexibility in respect to areas of diversity. We can all learn from those who are different than we are!

Course Requirements:

Opportunities: This is another word for tests. These are your opportunities to show me which concepts you have mastered. There will be five opportunities this semester, which includes a final. You will be given advanced notification of each. Correct answers are important, but valid reasoning goes a long way. Because of this, you will be asked to show all intermediate steps to obtain partial credit. Missing an opportunity is a serious matter and make ups will only be given in the cases of documentable university excused absences (i.e. athletics, forensics, student conferences, etc.). If you miss one opportunity, the comprehensive final will replace it. If you miss more than one opportunity, only one will be replaced and all others will receive a grade of zero.

Quizzes: Short quizzes will be given frequently, sometimes without prior announcement. You can expect one to two quizzes per week. They will be of various formats; computer based (MyMathLab), in-class (paper/pencil), or take home (MyMathLab or paper/pencil). There are no makeup quizzes; however, a percentage of the quizzes will be dropped when calculating your final semester average. **Your first quiz will be due tomorrow over this syllabus!**

Homework: Homework will be assigned daily and completed on the computer using MyMathLab. Students are required to have access to a computer with an internet connection. If you do not have a personal computer, there are numerous computer labs around campus that you can use to complete the homework. These exercises will help you master the material. If you have any questions over the homework, feel free to visit me during my office hours or take advantage of the "email my instructor" option on the course homework site. There are also a variety of resources available to you on the website for homework assistance. You should realize that homework is time consuming, but it is necessary for your mastery of the material.

You should review your class notes before attempting the homework. Homework can be completed from anywhere using MyMathLab. Please find a place with little to no distractions. You can re-work problems, enter and exit the assignments and get back to them later prior to the due date. The

homework will be graded on the computer and will always be due by class time (12:40 pm) on the due date.

Class Participation: Each student will be required to complete collaborative learning and/or reinforcement activities in class. These activities along with your regular class attendance make up your class participation grade. You must attend class for the full amount of time, complete the activity, pay attention, and stay awake in order to earn the points. If you fail to meet these requirements, you will receive a grade of zero for that activity. These assignments cannot be made up and grades will not be dropped at the end of the semester.

Semester Grade: The grade you receive in this course will be determined as follows:

Opportunities	50%
Homework	15%
Quizzes & Class Participation	15%
Final Opportunity	20%

The semester letter grades will be no lower that indicated by the scale at the end of this section. Students who show significant improvement during the semester will considered individually.

90 - 100	А	Superior college level work
80 - 89	В	Above average college level work
70 - 79	С	Average college level work
60 - 69	D	Questionably unacceptable college level work
0-59	F	Unacceptable college level work

Emails pleading for extra credit and/or mercy regarding final semester grades will not be answered.

Math Assistance Options: Should you require academic assistance with this course, or any other General Education Course, there are places on campus that can provide you with help.

- Main Campus The Math (Tutoring) Lab is located on the 2nd floor of College High Hall (COHH-2124). Undergraduate and graduate tutors and faculty volunteers are there each day to provide individual assistance to students in various math courses. Hours of Operation: TBA
- 2. Main Campus The Learning Center (TLC): Located in Downing Student Union (DSU) -Should you require academic assistance with your WKU courses, The Learning Center (located in the Downing Student Union, 2141) provides free supplemental education programs for all currently enrolled WKU students. The Learning Center at DSU offers certified, one-on-one tutoring in over 200 subjects and 8 academic skill areas by appointment or walk in. Online tutoring is offered to distance learners. TLC is also a quiet study area (with side rooms designated for peer-to-peer tutoring) and a computer lab to complete academic coursework. For more information or to schedule a tutoring appointment, please call TLC at (270) 745-5065 or visit the website. www.wku.edu/tlc

Course Policies:

Attendance: Written University Policy, states, "Registration in a course obligates the student to be regular and punctual in class attendance." Attending all lectures is essential for success in this course. Lectures reinforce and explain the material presented in the course. Attendance will be taken every day. A student missing more than three (3) classes should either withdraw from the course or expect a failing grade for the semester. University approved events are the only excused absences. You

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are adults and are therefore responsible for finding out what you missed during your absence. Please obtain the lecture notes from one of your classmates. Keep in mind absences critically interrupt your progress in any course. **If you are contagiously sick, please do not come to class. Please notify me if you have an illness that will require multiple days of absenteeism.** Excessive lateness is disruptive to the learning process. Please try to be on time!

Special Note: It is important to communicate with your professor. I will evaluate cases of unexpected illness or life altering events on a student-by-student base. Please do not wait until the last minute to reach out to me.

Calculator Policy: Students may use the scientific calculator of their choice. No student will be allowed to use any type of graphing calculator in this course under any circumstances. Cell phone calculators are also not allowed in this course under any circumstances. Please contact your professor with any concerns regarding calculator requirements.

Electronic Devices: This includes laptops, cell phones, IPods, IPads, smart watches (not to be accessed during quizzes and exams), and any other item that can access the internet, beeps, dings, rings, or make noises. These items must be set to silent and completely out of sight during class. In other words, I should not see or hear them at all! Texting is not allowed. Violators will be asked to leave the classroom. If you are asked to leave, please do so quietly. You will not be allowed to return until you have a conference with me in my office. It is your responsibility to schedule an appointment with me to address the requirements for your return to class.

Classroom Decorum: You are expected to conduct yourself in a manner befitting a college classroom at all times. This is not 13th grade, so please leave those behaviors elsewhere.

- ✓ Talking or any other types of disruption during the lecture will not be tolerated. Respect others by waiting until they are finished talking before you begin talking. If you feel the material is unimportant, please leave the class and allow those who want to learn the opportunity to do so. I will ask you to leave if you are disruptive. Please do not argue with me about it.
- ✓ Eating foods with a strong odor is not allowed in class. The only exception to this policy is if you bring enough food to share with the entire class!
- ✓ This is not a playground. Profanity, disrespect, and harassment are completely unacceptable. Usage will result in immediate removal from the class.
- ✓ Leaving the classroom during the lecture should be reserved for emergencies only. It is very disruptive for you, the students around you, and the professor. If you must leave, do so as quickly and quietly as possible. You do not have to ask my permission to leave. You will not be allowed to leave the classroom during quizzes or opportunities. You must turn in your paper in order to leave. You will not be allowed to continue working upon your return.
- ✓ You should be on time for class. If you are late for class, please enter the classroom quietly and quickly. Please take the closest available seat to the door. If possible, avoid walking to the front of the classroom. Set up your materials with minimal amount of disturbance to those around you. If you have a "preferred seat", please be on time in order to occupy it.

WKU Resources and Information:

WKU Statement of COVID-19: All students are strongly encouraged to <u>get the COVID-19</u> <u>vaccine</u>. All students must immediately report a positive Covid-19 test result or close contact with a person who has tested positive to the Covid-19 Assistance Line at 270-745-2019. The assistance line is available to answer questions regarding any Covid-19 related issue. This guidance is subject to change based on requirements set forth by public health agencies or the office of the governor. Please refer to the Healthy on the Hill website for the most current information. <u>www.wku.edu/healthyonthehill</u>

Academic Dishonesty: University policy states, "Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in the course without the possibility of withdrawal. The faculty member may also present the case to the Office of Student Conduct for disciplinary sanctions. A student who believes a faculty member has dealt unfairly with him/her in a course-involving academic dishonestly may seek relief through the Student Complaint Procedure, (See WKU Student Catalog).

Student Accessibility Resource Center (SARC): 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 room 1074. SARC can be reached by phone at (270)745-5004 [(270)745-3030 TTY] or via email at <u>sarc.connect@wku.edu</u>. Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from the Student Accessibility Resource Center. If you have an accommodation letter, please inform me and I will be more than happy to assist you.

Title IX: WKU is committed to supporting faculty, staff, and students by upholding WKU's Title IX Sexual Misconduct Policy (#0.2070). Under this policy, 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. You can view this policy at https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf.

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 <u>MUST</u> 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.

Counseling Services: They believe that the university experience should be challenging, not overwhelming, and universities have a duty to support students as they are being challenged. To this end, the **WKU Counseling and Testing Center** is committed to promoting the academic mission of the university by providing a variety of psychological services to students that will augment recruitment, retention, and graduation by strengthening students' capacity to tolerate distress, form healthy relationships, and seek healthy expressions of their ideals and values. The Counseling and Testing Center also advances the university's mission by providing educational programming, training, and consultation to the students, faculty, staff, and constituents of WKU. **Counseling and Testing Center, 409 Potter Hall, (270) 745-3159.**

Disclaimer: Instructor reserves the right to make changes as needed.