

# MATH 507: Math Concepts for Elementary Teachers

## Western Kentucky University – Summer 2021

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**Instructor:** Hope Marchionda  
**Office:** COHH 3103  
**E-mail:** [hope.marchionda@wku.edu](mailto:hope.marchionda@wku.edu) (For a quick response, email is the best form of contact!)  
**Course Hours:** At your leisure – but be careful!  
**Office Hours:** By appointment; however, I am available via Discussion Board and email 7 days a week.

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**Course Description:** This course is meant to encourage and develop conceptual understanding of mathematical concepts that you may have encountered in a traditional classroom setting. Topics of interest include place value, operations, number theory, geometry, and basic algebra and functions. Infused throughout the course will be materials and discussions relevant to developing problem-solving and communication in mathematics. Course intended for graduate students in Elementary Education only

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

- Make connections between mathematical topics found in the elementary school curriculum and higher-level mathematics.
- Employ both inductive and deductive reasoning appropriately.
- Construct visual representations as needed and then analyze those constructs to reach a solution.
- Identify patterns and predict other mathematical connections using the patterns identified.
- Analyze and evaluate the mathematical thinking and strategies of others.
- Communicate their mathematical thinking orally and in writing to peers, faculty, and others.
- Analyze the use of discussion in the mathematics to develop conceptual understanding of content.

**Textbook:**

- Lamberg, T. (2019). *Work Smarter, Not Harder: A Framework for Math Teaching and Learning*.

**Internet Access:** You **must** have reliable and regular access to the internet to access email and the course website – Blackboard. This will help ensure that you do not fall behind. My primary forms of communication with you will be email and the discussion boards. Please check your email regularly and save class emails for future reference.

**Attendance:** We will not have a set meeting time when everyone will be online; however, you are expected to be online **frequently** each week to check your WKU email and the discussion board – this is **VITAL**. In a face-to-face summer class, this course would meet in person every day for an hour and forty minutes, and you would be expected to put in additional time outside of class for reading, completing assignments, and studying. I will expect you to do the same amount work as if this course was meeting in person – I will not compromise the integrity of the course. Since we are not meeting in person, some students will find that they need to put in additional time to understand the material. Make sure you do not get behind!

**ADA 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. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at [sarc.connect@wku.edu](mailto:sarc.connect@wku.edu). Please do not request accommodations directly from the professor or instructor without a faculty notification letter from The Student Accessibility Resource Center.

**Assessment / Evaluation:** The course grade will be comprised of participation, assignments, projects, and/or assessments.

**Determination of Final Course Grade:** Final course grades will be determined using the following scale:

Percentage	0% – 67%	68% – 75%	76% – 83%	84% – 91%	92% – 100%
Letter Grade	F	D	C	B	A

**Gradebook:** Please consider the online gradebook as a courtesy to you, subject to errors given various upgrades and shifts in the software. I reserve the right to make gradebook corrections to keep it consistent with the syllabus so that your grade reflects true performance, not software or user error. If you see something that doesn't make sense, please alert me.

**Academic dishonesty will not be tolerated.** Students who commit any act of academic dishonesty will receive from the instructor a failing grade in the course without possibility of withdrawal. The instructor will also present the case to the Office of Student Conduct for disciplinary sanctions.

**Withdrawal Dates:** The last day to withdraw from this course without a grade and without paying a fee is Wednesday, June 3, 2021. The last day to withdraw from this course with a W, or change from credit to audit, is Tuesday, June 22, 2021.

**Disclaimer:** The instructor reserves the right to change, alter, modify, or tweak anything in this document at any time and for any reason.

**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*

*Discrimination and Harassment Policy (#0.2040) at [https://wku.edu/policies/hr\\_policies/2040\\_discrimination\\_harassment\\_policy.pdf](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.*