

# University of West Georgia

MATH 2008: Foundations of Numbers and Operations

Summer 2015

Course Syllabus

**Instructor:** Mrs. Carrie Carmack (Thielemier)

**E-mail:** [cthielem@westga.edu](mailto:cthielem@westga.edu)

**Class Meeting:** T/R 2:00 – 4:30

Office hours will be held right after class. Please email for appointments.

## Required Materials:

- 1) Pronged File Folder (Notebook)
- 2) College Ruled paper (Notes/notebook)
- 3) Scientific calculator (Cell phones will not be permitted. TI-89 graphing calculator will not be permitted.)

## Optional Materials:

- 1) **Textbook:** Billstein, R., Libeskind, S., & Lott, J. (2012.). *A problem solving approach to mathematics for elementary school teachers*, (11th ed.). Boston, MA: Pearson Addison-Wesley.

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## Catalog Description:

This course is an Area F introductory mathematics course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of numbers and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics.

## University Policy:

Please carefully read and review the important information at the following link: [http://www.westga.edu/assetsDept/vpaa/Common Language for Course Syllabi.pdf](http://www.westga.edu/assetsDept/vpaa/Common%20Language%20for%20Course%20Syllabi.pdf). This link contains material pertaining to your rights and responsibilities as a student in this class. Because these statements are updated as federal, state, university, and accreditation standards change, please carefully review the information each semester.

## Student Learning Outcomes:

The students should be able to do the following:

- Strengthen their understanding of elementary vocabulary and mathematical notation.
- Understand operations, algorithms, and other number system and number theory properties.
- Make conjectures and use deductive methods to evaluate the validity of conjectures.
- Utilize multiple strategies to problem solve in multiple contexts.
- Communicate mathematical ideas and concepts.
- Develop an appreciation for mathematics from a historical perspective.
- Become familiar with the National Council for Teachers of Mathematics via the organization, website, journals, and other resources.
- Establish personalized reform-based visions for teaching mathematics successfully and effectively to all children aligned with the Common Core State Standards for Mathematics.

## Attendance Policy:

It is my expectation that students will attend every class session and be punctual. Class participation entails being an active participant to your respective learning community. In the event of an absence, students are expected to get the materials and information relevant to the missed class from their peers. There are only 3 unexcused and excused absences allowed during

the summer semester. If students exceed 3 absences, they will fail the course. Please note that is your responsibility to sign the attendance sheet during each class period.

**Students with Disabilities:**

Students who wish to request accommodation for a disability may do so by registering with the Office of Disability Services. Students may only be accommodated upon issuance by the Office of Disability Services of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which an accommodation is sought.

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**Attendance Policy:**

It is my expectation that students will attend every class session, be on time, and stay for the entire class period. If you must leave early, you are expected to let the instructor know before class begins. Habitually leaving class early, or arriving late, will result in a 0% for that day's participation points.

Attendance is not taken for this class. However, you will be given a daily activity (Participation Points) that will be part of your grade. If you miss an entire class session, for any reason, you will receive a 0% for that day's grade, no exceptions. If you are late to class, or leave early, it will be at the teacher's discretion if you will receive your points for that day. If you arrive to class 45 minutes late, or leave 45 minutes early, you will **not** receive Participation Points that day.

**Evaluation:**

Participation Points:	150 points (~15 points/day)
Exams:	200 points
Notebook:	200 points
Microteaching (Final Exam):	200 points
Total:	750 points

**Class policies:**

- 1) All cell phones must be put away when class begins. Cell phones can NOT be used as calculators.
- 2) You will receive information regarding your notebook in class. It is your responsibility to make sure you have all assignments in your notebook. Notebooks will be due on

\_\_\_\_\_ at \_\_\_\_\_ PM

**Notebooks can be submitted the following class period for a deduction of 30 points.**

- 3) Cheating is not tolerated and will result in a 0% (notebook, Participation Points), or "F" in the class (Exam). All assignments must be done on your own, unless the instructions on the assignment page state that you can work in groups.
- 4) Grades will not be given via email. Please set up an appointment with your instructor for grade related questions.