

**NUMBER & COMPUTING FOR ELEMENTARY TEACHERS**

*MATH 1614 is designed to provide you with opportunities to develop the mathematical understandings necessary for teaching number concepts in the elementary grades. You will revisit mathematical ideas from the elementary school curriculum with the goal of understanding those ideas **as teachers**. Your experiences in this course are intended to help you to enrich your conceptions of mathematics, and to begin to think about what it means to learn and teach mathematics for understanding.*

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**Office hours:** Before and after each class session, and by appointment.

**Class meetings:** This class meets in the MIPAC room of the Math Emporium, every Tuesday and Thursday at 10:00 am – 11:45 am. To enter the Emporium, you *must* check in at the front desk with a valid Hokie Passport (Virginia Tech ID). You do not need to ask for a computer when you check in – We have laptops in our classroom.

**Required Textbooks:** *Mathematics for Elementary Teachers* (2nd Edition) by Sybilla Beckmann, *Activities Manual* (to accompany *Mathematics for Elementary Teachers*).

Additional course materials will be provided on the web. You are expected to check the timeline before each class session and print the materials needed for class.

**Miscellaneous:** We will be using laptop computers in the MIPAC room. These machines require that you have a [Virginia Tech wireless account](#) – make sure that your wireless account is working *before* our first class.

You will need to have money on your Hokie Passport in order to print in the Math Emporium. ([How to print at the Emporium](#)).

Keep your course papers in an organized notebook or file that you bring to *every* class session.

**Grading:** Course grades will be determined by the following distribution:

attendance and participation	15%
written assignments	25%
quizzes and tests	60%

The following scale will be used for assigning final grades (+ or - grades may be applied at the instructor's discretion): **A** (93-100), **B** (85-92), **C** (77-84).

**Course Policies:**

- All written assignments for a unit must be submitted (in a folder, with work clearly labeled and organized) on the day of the unit quiz. Late work will be accepted only one class session following the due date. Points will be deducted from all late work, unless a *prior* agreement was made with the instructor.
- Regular attendance is essential for success in this course. If for some reason you miss class, it is *entirely* your responsibility (not your instructor's) to make the necessary arrangements. Most importantly, do not wait until the day before next class to find out what you missed. (Please consult the relevant unit timeline.)
- Quizzes and tests must be taken on the scheduled date. Tests can be made-up only in *extremely rare* circumstances.
- Feel free to meet with your instructor during office hours if you need any special accommodations in the curriculum, instruction, or assessments of this course to enable you to successfully participate. Your instructor will maintain the confidentiality of the information you share. For more information, see [Services for Students with Disabilities](#).
- We will adhere to the [Virginia Tech Honor System](#) in this course. You will be expected to pledge on all quizzes and the final exam that the work is your own. Specific instructions (e.g., calculators allowed, open book, etc.) will be provided with each quiz or test. You are permitted and encouraged to consult with classmates on homework, labs, and in class work. However, copying homework or labs from any source is a violation of the Honor Code.