Class meets in room E36   (Tue, Thur   4:00 p.m. –   6:15 p.m.)
<u>**Instructor**</u>: Curtis Kifer
<u>**Email**</u>: kifercurtis@fhda.edu
<u>**Office Hour:**</u> Monday, Wednesday at 1:30 to 2:00 in room E37. Also Fridays 1:20 to 1:50 in room E33.
<u>**Textbook**</u>: *Mathematical Reasoning for Elementary Teachers, 7th edition* by Long and DeTemple.
<u>**Calculator**</u>: A scientific calculator may be required on some quizzes and exams. There will be **no graphing calculator use on quizzes and Exams.**
<u>**Course structure**</u>:
   ● **Description:** Designed for prospective elementary and middle school teachers. An introduction to the discipline of mathematics as the use of logical, quantitative, and spatial reasoning in the abstraction, modeling, and problem solving of real-world situations. The main topics in the course include the origins of mathematics, mathematical reasoning and problem solving strategies, theory of sets, integers and integral number theory, rational numbers and proportion, real numbers and decimal notation, and measurement. Throughout the course students will experience the learning of mathematics in a way that models how they can create an active learning environment for their future students.
   ● There will often be a very short unannounced quiz exactly at the start of class, so always show up on time and prepared.
   ● After discussing the previous day's homework, we'll cover new material.
   ● Each homework assignment is due on MyMathLab at the beginning of class on or before the due date (which will be posted on the MyMathLab site). Homework not submitted by the beginning of class is late and will be penalized.

Attendance Policy: If you miss 3 classes, then you may be dropped from the class at the instructor's discretion.

Scoring will be as follows:
   ● Homework: 30% (due on MyMathLab only)
   ● Quizzes: 20%
   ● Midterm Exams : 30% (3 midterm exams; 1 will be dropped.)
   ● Final Exam: 20% (Participation in the final exam is required.)
   ● Participation: **Each class session in which you are not present in class to participate in the class discussion is 2 points off your final grade; each tardy entrance into a class discussion already in progress is 1 point off your final grade.**

There will be **no make-up exams**, but the **lowest mid term exam score will be dropped**.
There will be **no make-up quizzes**, and **no quiz scores will be dropped**.
There will be **no make-up homework**, and **no homework scores will be dropped**.
There will be **no extra credit or make-up work offered**.

Your formal grade will be computed by the following scale:
A+ = 97-100% ;   A = 93-96% ; A- = 90-92% ; B+ = 87-89% ; B = 83-86% ; B- = 80-82% ; C+ = 77-79% ;   C = 73-76% D+ = 67-72% ;   D = 63-66 ; D- = 60-62 ;   F = 0-59%   **Note: any grade below 73% is a "D" or an "F" grade**

The final exam will be held Thursday, December 15 at 4-6 p.m.
(You MUST attend the final exam; I will not be allowing ANYONE to take the final exam early or late.)

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Drop; Withdrawal; Incomplete grade: It is the student's responsibility to be registered in the class before the deadline for adding classes. As well, **should the student need to drop or withdrawal from the class, it is the student's responsibility to do so before the final date for withdrawing. There is never an incomplete grade assigned.**
- **Saturday, October 8, 2016 is the LAST DAY TO ADD using add codes.**
- **Sunday, October 9, 2016 is the last LAST DAY TO DROP without a 'W' grade.**
- **Friday, November 18, 2016 is the LAST DAY TO DROP Fall classes with a 'W' grade.**

Course Rules:
- **Smart Phone Policy:** If you have a cell phone, be sure to turn off your **Cell phone ringer.**
- **If I see you with a smart phone during an exam or quiz, it is considered cheating, and I will give you a zero for that exam as well as report you to the Dean**.
- Let me know ahead of time if you have reason to expect an emergency call.
- **Make-up Exams: No** make-up exams are allowed**.**
- You are encouraged to work together on the homework sets—remember, the homework assignments are intended as practice! If you are having difficulty on an assignment, try to get help from me or from a classmate as quickly as possible; don't just leave it for the next class.

Academic Honesty:
Students learn and abide by the standards of honesty expected in an academic community. In general, academic honesty requires that students: (1) submit work that is clearly and unmistakably their own; (2) properly represent information and give adequate acknowledgment to all sources that were used in the preparation of an assignment; (3) neither seek, accept, nor provide any assistance on tests, quizzes, and/or assignments unless explicitly permitted to do so by the instructor.

Learning Objectives:
After completing the course, the student will be able to:
(1) Analyze mathematical problems from elementary mathematics, apply problem solving techniques using a
variety of methods, solve these problems individually and in groups, and communicate results mathematically through a variety of forms.
(2) Utilize ideas from number theory, distinguish types and properties of numbers, and employ mathematical
rules for operating on rational and irrational numbers using verbal, symbolic, geometric, and numerical Methods.
(3) Examine and evaluate myths and realities about the contemporary discipline of mathematics and its Practitioners.
(4) Identify and discuss developments in the history of elementary mathematics from a variety of cultures.

- The Americans with Disabilities Act (ADA) is a civil rights statute that prohibits discrimination against people with disabilities.
- De Anza College is committed to providing a safe positive learning environment where students can pursue their educational goals.
- De Anza College is committed to maintaining an environment free of sexual harassment or discrimination based on race, religious creed, color, national origin, ancestry, disability, medical condition, marital status, political beliefs, organizational affiliation, sexual orientation, gender or age.