

CASPER COLLEGE COURSE SYLLABUS
EDEL 1410-01 Math for Elementary Teachers I

Semester / Year: Fall 2015

Lecture Hours: 1

Lab Hours: 0

Credit Hours: 1

Class Time: 12:00-12:50

Days: W

Room: PS 117

Instructor's Name: Teresa Stricklin

Instructor's Contact Information: Please feel free to stop by anytime during my posted office hours. If those office hours do not fit your schedule, please email me through Moodle mail to set up an individual appointment. You are also welcome to leave messages for me on my office phone.

Office: PS 342

Office Phone: 307-268-2615

Email: tstricklin@caspercollege.edu

Office Hours: M & W 1:00-2:00

T & Th 9:30-10:30

F 11:00-1:00 (Math Learning Center PS 104)

Course Description: (Casper College Catalog)

This seminar is a hands-on application course designed to accompany and enhance MATH 1100 - Number and Operations for Elementary School Teachers. This is a required course for all prospective elementary teachers.

Prerequisite: Concurrent enrollment with Math 1100-01.

Goal: Students will demonstrate how to use manipulatives to teach concepts covered in Math 1100.

Course Objectives/Outcomes: This course will give students additional insight into the concepts taught in Math 1100. Students who successfully complete this course will have an awareness of different teaching methods including an introduction to manipulatives, models, technology, Common Core standards and tools used to teach mathematics at the elementary level. Specifically students will be introduced to problem solving, the origin of numeration systems, sets, relations and functions, the properties of whole, integer, rational, and real numbers and algorithms for addition, subtraction, multiplication and division in base 10 and in other bases. This is a required course for all prospective elementary teachers and a recommended course for junior high school teachers.

Required Materials:

- Text: No additional text is required for this course
- Calculator: A scientific calculator will be useful. (Graphing calculators will not be allowed!)
- Internet: You may access the internet via the Casper College computer labs around campus.

Methodology:

This class consists of many hands on activities and very little lecture. Outside reading and writing will be required. Assignments may include but are not limited to reaction papers, article summaries, lesson evaluations, projects and peer teaching. Many of these assignment require writing. In addition to content knowledge, you will be evaluated on grammar, punctuation, spelling and good presentation. If writing is not a strength for you, I strongly recommend you have someone proofread your work prior to submission. The CC writing center would be an excellent resource. At least one seminar will be spent interacting with students from local schools.

Evaluative Criteria: The grade in this class is separate from the grade in Math 1100. Your grade will be based on your performance (not effort) on the following tasks according to the following approximate distribution:

80% Weekly Seminar Assignments and Class Activities

Classroom discussions and activities will take place every Wednesday. You will be expected to complete either a written assignment, project, journal entry, summary or video that corresponds to the class activity. All seminar assignments will be submitted through Moodle drop boxes and late assignments will be awarded **ZERO** credit.

20% Service Learning

You will be required to spend a minimum of 6 hours participating in approved service learning activities. These activities must be math or science related. I will provide many opportunities for you to fulfill these hours which include 4th grade day at Casper College (November 18th), Wyoming Lego Robotics competition (Dec. 5th), tutoring math in after school programs such as Boys and Girls Club, Library day at NCPL. Other ideas that you may have must be approved by me first!

Point Scale:

Letter grades will be based upon the traditional grading scale:

A = 100 – 90% B = 89 – 80% C = 79 – 70% D = 69 – 60% F ≤ 60%

Last Day to Withdraw: **Nov. 12, 2015** (No exceptions to this date will be considered)

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Academic Dean, and lastly the Vice President for Academic Affairs.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

Academic Dishonesty - Cheating & Plagiarism: Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately outside of class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

TENTATIVE Schedule

Seminar Date	Topic
Aug. 26	Common Core Standards
Sept. 2	Problem Solving Activity
Sept.9	One Grain of Rice Activity
Sept. 16	Sets & Venn Diagrams
Sept. 23	Binary Magic
Sept. 30	Addition & Subtraction in other bases
Oct. 7	Addition & Subtraction in other bases
Oct. 14	Multiplication & Division in other bases
Oct. 21	4 th grade day lesson plan development
Oct. 28	Sieve of Erasthenes
Nov. 4	Developing Divisibility Rules
Nov. 11	Square Fractions
Nov. 18	4 th grade day (9:15-2:00)
Nov. 25	No Class-Thanksgiving Break
Dec. 2	Fraction Interview/Assessment
Dec 9	Proportional Reasoning
Dec. 16	Service Learning Summary due