MATH 217 PRE-ALGEBRA 4 UNITS BUTTE COLLEGE FALL 2015 CTRL # 4359

## This syllabus was updated on 08-25-2015

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Office: LRC 262, Friday 9-11 am & 12-3 pm.

Class Meetings: CHC 107, MW 12:00 pm - 1:50 pm

**Required Materials:** *Prealgebra & Introductory Algebra*, special Butte College edition (or Fourth edition) by Martin-Gay (online portion not required). An older edition should suffice. The students are responsible for reading every section covered by the course outline at the end of the syllabus.

**Catalog Description:** This course introduces elements of algebra and reinforces skills needed for operations with real numbers. The topics include operations on integers, fractions, mixed numbers and decimals, ratio, proportion and percents, algebraic expressions and equations, measurement and geometry, exponents, graphing linear equations in two variables, and a variety of applications.

**Objectives:** Upon successful completion of this course, the student will be able to

- A. Perform the four basic arithmetic operations of addition, subtraction, multiplication, and division with fractions, decimals, and integers.
- B. Solve applications involving ratios, proportions, and percents and acquire proficiency in their use.
- C. Solve a variety of applications involving perimeter, area, and volume.
- D. Evaluate, simplify, add, subtract, multiply and divide basic algebraic expressions.
- E. Calculate with whole number exponents and basic square roots.
- F. Translate English sentences into mathematical expressions and equations.
- G. Solve linear equations and related applications.
- H. Convert within and between the US and Metric systems of measurement.
- I. Graph points and lines in the rectangular coordinate system.

**Attendance:** To succeed in this course, it is crucial that you come to class every day, alert and prepared to learn. Roll will be taken at the beginning of each class session. If you arrive after the class has started, please enter the room quietly and get on the roster at the end of the class. If you miss more than a half of a class session, you will be considered absent for that day. If you miss two or more classes during the first two weeks without

notifying me or the department secretary in advance, you will be dropped from the class. **If you miss 4 or more class sessions any time during the semester, you will be dropped from the class.** Exceptions will be made for documented cases of grave illness and/or family emergency.

**Homework:** Homework serves as practice and will prepare you to do your best on quizzes and tests. No make-up homework will be collected for any reason, but 2 lowest homework scores will be dropped. Homework will be graded for completeness and the amount of detail. **Homework is crucial for learning statistics as well as for succeeding in this class.** Doing all homework is probably the most effective way to raise your test grades. You are welcome to work in groups while solving the homework, but you must submit your own work.

**Quizzes:** There will be 5 quizzes given. No late quizzes will be given for any reason. The lowest quiz score will be dropped.

**Tests:** There will be 4 50-minute tests. Each test will be worth 15% of the class grade. Makeup tests will be given in documented cases of grave illness and/or family emergencies.

Final: The final exam will be given on Monday Dec. 14. It will be worth 20% of the class grade. You must attend the final in order to pass the class. If you miss the final, then you will get an F for the class.

## **Grading:**

Let	ter Grades	Grade Breal	kdown
A	90-100%	Tests	60%
В	80-89%	Homework	5%
C	70-79%	Participation	5%
D	60-69%	Quizzes	10%
F	0-59%	Final	20%

**Getting Help:** If you have a question or a concern not addressed in this syllabus, please contact your instructor via email. Moreover, the campus provides some resources to help you study.

- free drop-in tutoring: https://www.butte.edu/cas/tutoring.html
- other helpful resources: http://www.butte.edu/currentstudents/help\_on\_campus/

**Cell Phones, Computers:** Cell phones are prohibited. The use of computers and tablets will be tolerated during regular class meetings as long

as they are completely silent and don't distract other students. During quizzes, tests, and the final, only non-graphing calculators will be allowed (but not required).

**Accommodations:** If you have a learning disability, a physical disability, or other special needs, please let me know as soon as possible if you need special accommodations (such as extra time for tests). I will do my best to accommodate all needs verified through Disabled Students Programs and Services.

Students have the right to request reasonable modifications to college requirements, services, facilities or programs if their documented disability imposes a functional educational limitation or impedes access to such requirements, services, facilities, or programs. A student with a disability who will be requesting modification, accommodation, or access to an auxiliary aid is required and responsible for identifying himself/herself to the instructor and, if desired, to the Disabled Students Programs and Services (DSPS office). In either event, the student is responsible for providing appropriate documentation of his/her disability. Students who consult or request assistance from the DSPS office regarding specific modifications, accommodations or use of auxiliary aid will be required to meet timelines and procedural requirements established by the DSPS office.

## **Academic Honesty:**

All instances of plagiarism and cheating will result in the score of zero for that homework, quiz, or test, and will be reported to the Dean's Office.

**Tentative Outline:** Changes will be announced in class.

Monday	Wednesday		
Aug 24th	1	26th	2
1.4, 1.7, 1.8		Quiz 1, 2.1, 2.2	
31st	3	Sep 2nd	4
2.3, 2.4		2.5, 2.6	1 more day to add/drop
7th		9th	5
no classes		Review	
14th	6	16th	7
<b>Test 1</b> , 3.1		3.2, 3.3	
21st	8	23rd	9
3.4, Review		<b>Quiz 2</b> , 4.1	
28th	10	30th	11
4.2, 4.3		4.4, 4.5	
Oct 5th	12	7th	13
4.6, 4.7		Review	
12th	14	14th	15
<b>Test 2</b> , 5.1		5.2, 5.3	1 more day to drop with "W"
19th	16	21st	17
5.5, 5.6		Review	
26th	18	28th	19
Quiz 3, 6.1		6.2, 6.3	
Nov 2nd	20	4th	21
6.4, 6.5		Review	
9th	22	11th	
<b>Test 3</b> , 7.1		no classes	
16th	23	18th	24
7.4, Review		8.1, 8.2	
23rd	25	25th	26
8.3, 8.4		Review	
30th	27	Dec 2nd	28
Test 4, 9.1		9.2, 9.3	
7th	29	9th	30
Review		Quiz 4, Review	
14th		16th	
Final 12:00 pm - 2:00 pm		final week	