MATH 108
BEGINNING ALGEBRA
4 UNITS

BUTTE COLLEGE FALL 2015 CTRL # 5756

## THIS SYLLABUS WAS UPDATED ON 10-08-2015

Instructor: Ivan Zaigralin melikamp@melikamp.com

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

Class Meetings: LRC 109, MWF 7:40 am - 8:50 am

**Required Materials:** *Beginning Algebra, 6th 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 covers fundamental algebraic concepts and operations. The topics include operations with positive and negative real numbers, solving linear, quadratic, and rational equations, applications of linear equations, operations with polynomials, exponential and rational expressions, factoring, graphing linear equations in two variables, and solving systems of linear equations.

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

- A. Simplify algebraic expressions.
- B. Solve linear, rational, and radical equations, linear inequalities, and some basic quadratic equations.
- C. Add, subtract, multiply, and divide real numbers, polynomials, rational expressions, and radical expressions.
- D. Graph linear equations in two variables and linear inequalities in one variable.
- E. Factor quadratic and some higher order polynomials.
- F. Solve systems of equations in two variables.
- G. Solve a variety of applications by translating sentences into equations.
- H. Simplify expressions involving integer exponents using properties of exponents.

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 6 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 algebra 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 make-up quizzes will be given for any reason. The lowest quiz score will be dropped and the four highest scores together will be worth 10% of the class grade.

**Tests:** There will be 4 60-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:**

Letter Grades		Grade Breako	Grade Breakdown			
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		FRIDAY	
	1				2
Aug 24th	1	26th	2	28th 1.4	3
1.2		Quiz 1, 1.3			
31st	4	Sep 2nd	5	4th	6
1.5, 1.6		1.7, 1.8		<b>Quiz 2</b> , 2.1	
		1 more day to add/drop			
7th		9th	7	11th	8
no classes		2.2, 2.3		2.4, 2.5	
14th	9	16th	10	18th	11
2.6, 2.7		2.8, 2.9		Review	
21st	12	23rd	13	25th	14
Test 1		3.1, 3.2		3.3	
28th	15	30th	16	Oct 2nd	17
3.4		<b>Quiz 3</b> , 3.5		3.6	
5th	18	7th	19	9th	20
4.1, 4.2		4.3		4.4	
12th	21	14th	22	16th	23
Review		Test 2,		5.1, 5.2	
	1 more day to drop with "	W"			
19th	24	21st	25	23rd	26
5.3, 5.4		5.5		5.6	
26th	27	28th	28	30th	29
<b>Quiz 4</b> , 6.1, 6.2		6.3, 6.5		6.6, 6.7	
Nov 2nd	30	4th	31	6th	32
Review		Test 3		7.1	
9th	33	11th		13th	34
7.2		no classes		7.3	
16th	35	18th	36	20th	37
7.4		7.5		7.8	
23rd	38	25th	39	27th	
<b>Quiz 5</b> , 8.1, 8.2		8.3, 8.4		no classes	
30th	40	Dec 2nd	41	4th	42
8.5		9.3		Review	
7th	43	9th	44	11th	45
Test 4		Review		Review	
14th		16th		18th	
Final 8:00 - 10:00 am		final week		final week	