THIS SYLLABUS WAS UPDATED ON 09-22-2015

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

Class Meetings: GCC 203, MW 3:30 pm - 5:45 pm

Required Materials: *Intermediate 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. Acquire proficiency solving linear, quadratic, rational, and radical equations, and linear inequalities.
B. Acquire proficiency performing the addition, subtraction, multiplication, and division on real and complex numbers, polynomials, rational expressions, and radical expressions.
C. Graph linear, quadratic, and exponential equations in two variables, linear inequalities in one variable, and the conics.
D. Acquire proficiency factoring quadratic and higher order polynomials.
E. Solve systems of equations in two and three variables.
F. Solve a variety of applications by translating sentences into equations.
G. Simplify expressions involving integer and rational exponents using properties of exponents.
H. Evaluate, determine the domain and range, graph, and find the inverse of a variety of functions including, but not limited to, exponential and logarithmic functions.

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 3 50-minute tests. Each test will be worth 20% 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 Breakdown	
A	90-100%	Tests	60%
B	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**
1.2, 1.3, 1.4		**Quiz 1**, 2.1, 2.2, 2.3	
31st	**3**	Sep 2nd	**4**
2.4, 2.5, 2.6		2.6 · 1 more day to add/drop	
7th		9th	**5**
no classes		2.7, **Review**	
14th	**6**	16th	**7**
Quiz 2, 3.1, 3.2		3.3, 3.4	
21st	**8**	23rd	**9**
3.5, 3.6		3.7, **Review**	
28th	**10**	30th	**11**
Test 1, 4.1, 4.2		4.3, 5.1, 5.2	
Oct 5th	**12**	7th	**13**
5.3, 5.4, 5.5		5.6, 5.7, 5.8	
12th	**14**	14th	**15**
Quiz 3, 6.1, 6.2		6.3, 6.4 · 1 more day to drop with "W"	
19th	**16**	21st	**17**
6.5, 6.6		6.7, **Review**	
26th	**18**	28th	**19**
Test 2, 7.1		7.2, 7.3	
Nov 2nd	**20**	4th	**21**
7.4, 7.5		7.6, 7.7	
9th	**22**	11th	
8.1, 8.2		**no classes**	
16th	**23**	18th	**24**
8.3, 8.5		8.6, **Review**	
23rd	**25**	25th	**26**
Quiz 4, 9.1, 9.2		9.3, 9.4, 9.5	
30th	**27**	Dec 2nd	**28**
9.6, 9.7, 9.8		**Review**	
7th	**29**	9th	**30**
Test 3, 10.1		10.2, **Review**	
14th		16th	
Final 4:00 pm - 6:00 pm		**final week**	