CASPER COLLEGE COURSE SYLLABUS
MATH 0934-01
Elementary and Intermediate Algebra

Semester/Year: Fall 2014

Lecture Hours: 5   Lab Hours: 0   Credit Hours: 5

Class Time: 8 –8:50 a.m.   Days: MTWThF   Room: PS 111

Instructor's Name: Jake McIntyre

Instructor's Office: PS 337   Office Phone: 268-2769   Email: jjmcintyre@caspercollege.edu

Office Hours: M-F from 10-10:50 a.m., Monday at 2 p.m. and also Friday from 11-11:50 a.m. in the MLC (PS 104) or by appointment.

Course Description: The study of integer exponents and their properties; linear equations and inequalities: to solve and to graph; also includes the study of function notation and system of equations; and the study of the four basic operations of polynomials and factoring of polynomials; also includes the study of rational expressions; the operations of addition, subtraction, multiplication and division of same; also includes the study of solutions and properties of rational , quadratic, exponential and logarithmic equations; in addition, students will study applications of same. This class is an accelerated course that combines MATH 0920 and MATH 0930 content in one semester and is designed for the student who needs a review of these topics.

Prerequisites: ACT Math score of 19-20; or a COMPASS placement score in the Algebra domain of 28-39, within the past year; or a "C" or better in MATH 0900. A 'C' or better in this class allows the student to take MATH 1100 or MATH 1400 within the next academic year.

Outcomes:
Students should:
- Be able to simplify integer exponent expressions.
- Be able to solve linear equations and inequalities, and set up and solve applications involving both.
- Be able to graph linear equations and write equations of lines, and use function notation.
- Be able to solve a system of linear equations with two variables.
- Be able to add, subtract, multiply, and divide polynomials.
- Be able to factor polynomials.
- Be able to simplify, add, subtract, multiply, and divide rational expressions and solve rational equations and applications.
- Be able to simplify rational exponent expressions and solve radical equations.
- Be able to solve quadratic equations and applications, and graph quadratic functions.
- Be able to use function notation and find inverse functions.
- Be able to convert between exponential and logarithmic notation.
- Solve problems using critical thinking and creativity
- Use quantitative analytical skills to evaluate and process numerical data

Required Text, Readings, Materials:
- MyMathLab Access Code. You MUST sign-up for MyMathLab, all assignments, grade keeping, and announcements will be done through MyMathLab! (We will not be using Moodle). On the first day of class you will receive a handout with instructions on how to register for this course in MyMathLab.

Methodology:
Instruction: Lectures will be given in class.

Section Quizzes: For each section covered there will be a quiz. Quizzes will be given through MyMathLab and can be taken any time after they are opened and have unlimited re-takes until the due date which will be one week after the corresponding section is covered in class. Only the best score will be counted.

Exams: In addition to the assignments and quizzes, there will be six unit exams. The final exam will be split up into two parts. One part will be integrated into the Unit 3 exam taken at midterms covering the Math 920 material and another part will be at the end of the semester covering the Math 930 material integrated into the Unit 6 Exam. The exams will be announced ahead of time. Poor attendance is not an excuse for missing an exam; it is your responsibility to know the dates of the exams.

Media Assignments: For each section covered there will be a media assignment available in MyMathLab. These assignments will include a link to the lecture videos by the author, links to the online text, powerpoints, flash tutorials, etc. These media assignments are optional and meant to be supplemental instruction, they will not count towards the grade.

Objective Homeworks: Each section will have several objective homework assignments associated which are broken down by objective. These homework assignments are done through MyMathLab and will not be counted towards the grade unless you want to **LEVEL UP!**

Leveling Up: You can level up your grades in two ways. If you complete all the objective homework assignments in a section with an 80% score or higher I will add 10 percentage points onto your section quiz score for that quiz's final score. Also if your section quiz **average** is a 80% before a Unit Exam I will give you a 10 point bonus on that exam.

Participation: Participation points will also be earned by doing class/group work in class. Attendance will also be taken for this class and will count towards the grade. Students who find themselves in the position of having to miss numerous classes may need to withdraw and take the course when regular attendance is possible. If you do not attend class you are still expected to be familiar with the material and be prepared for tests. If you just quit attending and do not officially withdraw, your grade will also be an "F".

Evaluation Criteria:
Point distribution

Exams (100 points each)	600 points
Section Quizzes	300 points
Participation	100 points
Total points possible	1000 points

Percent needed for a specific grade
A = 90 – 100%
B = 80-89%
C = 79-79%
D = 60-69%
F = below 60%

Class Policies:
Respect for Others: To avoid disrupting the work of others, please plan to arrive at class on time and be prepared to work (i.e., have your pencil, eraser, book, paper, homework and calculator). Additionally, please feel free to offer your opinions and questions to the class, but do not carry on side discussions. Also refrain from leaving and returning the classroom during the allotted class time. Cell phones, pagers, beepers, laptops, etc. should be turned off during class and please refrain from text messaging. In general, students may not engage in an activity which the instructor deems disruptive or counter-productive to the goals of the class. Instructors have the responsibility to remove offending students from the class. Repetition of offensive behavior may result in expulsion from the class.

Calculator: You will be allowed to use a scientific (non-graphing) calculator for this course.

Where to Go for Help:
- My office. See the top of the syllabus for contact information and office hours.
- The Math Learning Center (also called the Math Lab) is a place you can go for help. Staff and student workers are there to answer questions, or you can go if you just need a place to do your math homework. The Math Learning Center is located in PS 104. The exact hours it is open will be announced, or you can look on the door. Make sure you get help as soon as you start having trouble!

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 Dean, and lastly the Vice President for Academic Affairs.

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 for more information on this topic.

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.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after 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.

Last Date to Change to Audit Status or Withdraw with a W Grade: November 12th, 2015 I do adhere to this date!

Changes: The instructor reserves the right to make any changes if deemed necessary.   Information contained in this syllabus, other than the grading, make-up, and attendance policies, may be subject to change with advance notice, as deemed appropriate by the instructor. All changed will be announced in class or emailed to you, so absenteeism is no excuse for not being aware of all changes.

Tentative Calendar:
This schedule is tentative and subject to change.

Unit 1
9.1-1.6
10.1-10.6,15.1
Exam 1

Unit 2
11.1-11.3,11.5
12.1-12.6
Exam 2

Unit 3
13.1-13.3,13.5-13.7
Exam 3/Midterm

Unit 4
14.1-14.6
16.1-16.3
Exam 4

Unit 5
17.1-17.7
18.1-18.3,18.5,18.6
Exam 5

Unit 6
19.1-19.8
Exam 6/Final