CASPER COLLEGE COURSE SYLLABUS  
MATH 0920-02 Elementary Algebra

Semester / Year:  Spring 2016
Lecture Hours: 4  Lab Hours: 0  Credit Hours: 4
Class Time: 11-11:50pm  Days: MTThF  Room: PS 216
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: Students need to email Mrs. Stricklin via Moodle mail.
Office Hours:  
  Mon: 10:00-11:00 (Math Learning Center-PS 104)  
  Tues 1:00-2:00  
  Wed: 11:00-12:00  
  Thurs. 1:00-2:00  
  Fri: 9:00-10:00  
  10:00-11:00 (Math Learning Center-PS 104)

Course Description:  (Casper College Catalog)  
The study of integer exponents and their properties; linear equations and inequalities; to solve and to graph; also includes the study of system of equation; and the study of the four basic operations of polynomials and factoring polynomials.

Statement of Prerequisite (Must meet at least ONE of the following):
  • MATH 0900 with a C or better within the past year
  • ACT Math score of 19-20
  • COMPASS placement score in the Pre-Algebra domain of 45-100 or Algebra domain of 0-39

Goal: Students will be proficient in basic algebra skills and be able to confidently and flexibly use these skills to successfully complete their next requirement math course. Students who successfully complete Math 920 will be eligible to take either Math 930 or Math 1000.

Course Objectives/Outcomes:  Students who successfully complete this course will:
  1. Be able to simplify integer exponent expressions.
  2. Be able to solve linear equations and inequalities and set up and solve applications involving both.
  3. Be able to graph linear equations and write equations of lines.
  4. Be able to solve a system of linear equations with two variables.
  5. Be able to add, subtract, multiply, and divide polynomials.
  6. Be able to factor polynomials.
Methodology:
This class is taught using the textbook Algebra Foundations by Elayn Martin-Gay along with the computer software system, MyMathLab. Attendance in class is mandatory as we will be modeling mathematics using various tools. Classroom discussion will be imperative to your learning. Students will be required to complete both electronic homework assignments on MyMathLab as well as additional written assignments.

Evaluative Criteria: Your grade in this course will be weighted using the following categories:

50% Summative Assessments (Exams)
Students will be required to complete 5 unit exams and 1 cumulative final exam. All 6 exams are weighted equally of 100% each and will include questions from previous exams. Students will NOT be allowed to retake unit exams. Exams MUST be taken on the scheduled date unless arrangements have been made PRIOR to the exam date. Exams will be rescheduled only for excused absences (ones with a documented reason, i.e. doctor’s appointment, etc.). Please notify student services if you have an emergency.

25% Formative Assessments
This category will be made up of three possible items:
- Paper and Pencil (written) work: Students will be required to complete supplemental written assignments during each unit. These written assignments will provide practice problems for each concept without the use of instant online help. Students will be asked to show their work and clearly communicate their reasoning. Individual feedback will be provided per written assignment.
- Quizzes: These will be short content quizzes given randomly throughout the semester to hold students accountable for keeping up with course content and online homework. These quizzes will be both announced and unannounced and will not be available for make up.
- Exam Corrections: Following each exam, students will be required to complete corrections for each incorrect problem. For each exam correction, the correct process along with the correct solution and identification of the type of mistake will be required. Students will have one full week to complete exam corrections and are encouraged to seek help.

15% Independent Online Practice Problems (MyMathLab)
Students will be required to complete online practice problems using the MyMathLab software that correlates with the textbook. These assignments will be assigned daily and students will have 2 days to complete the assignment. Students will be penalized 10% per day for every day that is incomplete by the assigned due date.

10% Classroom attendance and participation
Attendance will be taken daily. To earn full credit in this category, students are expected to be fully present during class (this means without electronic distractions) and engaged in classroom or small group discussions.

Point Scale:
Points will be totaled and students will be assigned letter grades based upon the percentage of the total points they earned in the course.
A = 100 – 90%     B = 89 – 80%     C = 79 – 70%     D = 69 – 60%     F ≤ 60%
**Required Materials:**
- MyMathLab (MML) Access is needed for homework assignments. MML comes with electronic version of textbook therefore the actual textbook is NOT required.
- Internet access. There are several locations around campus where the internet can be accessed.
- Graphing calculator – a calculator may be rented from the math lab. (Calculators will NOT be allowed for unit 1)
- Graph paper and a straight-edge for chapters on linear equations (Chapters 3 & 8)
- Grit!

**Last Day to Withdraw:** April 14, 2016

**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 Course Schedule

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<tr>
<th>Week</th>
<th>Dates</th>
<th>Topics</th>
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| 1    | Jan. 19-Jan. 22 {18th MLK Day} | • Class Introduction/Overview  
                     • Numbers sets, Integer and Fraction review               |
| 2    | Jan. 25 – Jan. 29             | • Sections 9.2-9.5 (Algebraic Properties, Solving one-variable equations, formulas) |
| 3    | Feb. 1 – Feb. 5               | • Section 9.6 (Inequalities)  
EXAM #1: Numbers sets, integers, fractions, Chapter 9 
• Section 10.1 (2D coordinate systems) |
| 4    | Feb. 8 – Feb. 12              | • Sections 10.2-10.4 (Graphing 2-variable equations, slope) |
| 5    | Feb. 15 – Feb. 19 {15th President’s Day} | • Section 10.4-10.5 (Slopes of parallel and perpendicular lines, Different forms of linear equations) |
| 6    | Feb. 22-Feb. 26               | • Section 10.6 (Functions)  
• Chapter 10 Review  
• Section 11.1 (Systems by Graphing) |
| 7    | Feb. 29- Mar. 4               | EXAM #2: Chapter 10  
• Sections 11.2-11.3 (Solving systems using substitution & elimination) |
| 8    | Mar. 7 – Mar. 11              | • Section 11.5 (Solving System Application Problems)  
• Chapter 11 Practice Exam |
|      | Mar. 14- Mar. 18th            | NO CLASSES-Casper College Spring Break                      |
| 9    | Mar. 21-Mar 25 {25th Good Friday} | EXAM #3: Chapter 11                                         |
| 10   | Mar. 28-Apr.1                 | • Sections 12.1, 12.5, and 12.2 (Exponent Properties, Scientific Notation, Adding and Subtracting Polynomials) |
| 11   | Apr. 4- Apr. 8 {8th-CC Advising Day} | • Sections 12.3-12.4 (Multiplying Polynomials, Finding patterns) |
|      | Apr. 11-Apr. 15 {14th-WITHDRAWAL deadline} | • Section 12.6 (Dividing Polynomials)  
EXAM #4: Chapter 12 |
| 12   |                               | • Sections 13.1-13.3 (GCF, Factoring)                       |
| 13   | Apr. 18-Apr. 22               | • Sections 13.5-13.6 (Factoring special products, Solving quadratics by factoring) |
| 14   | Apr. 25- Apr. 29              | • Section 13.7-Quadratic Applications  
EXAM #5: Chapter 13 |
| 15   | May 2- May 6                  | • Section 13.7-Quadratic Applications  
EXAM #5: Chapter 13 |
| 16   | May 11-14                     | FINAL EXAM: Tuesday, May 10th 3:10-5:10                     |