**Instructor:** Christina Parra Class: M-F

christina\_parra@dpsk12.org **Phone:** 720-423-7132

**Textbook:** *Algebra Form and Function*. McCallum, Connally, Hughes-Hallett, et al. John Wiley & Sons, Inc. 2010.

Welcome to a great semester in Math 099! I am glad to be your instructor and hope you will enjoy you time learning about Algebra. This is a breakdown of my expectation and my grading policies. I promise that if you apply yourself in my course, there is no reason why you should not succeed.

**Course Description:** A review of the arithmetic of fractions and decimals, percentage problems, signed numbers, arithmetic, and topics of basic algebra, including simplifying algebraic expressions, solving and graphing linear equations, basic factoring, working with algebraic fractions, and solving rational and quadratic equations.

**Calculator:** A TI-84 Plus is recommended. **A CALCULATOR IS REQUIRED, I will not provide one for you!** Use of phones are not allowed and you will be required to have your phone or device in airplane mode (I.E. you cannot text, make calls, use facetime/Skype, or text).

**Materials:** A 3-ring binder and pencils.

**General Expectations**

**Immersion:** This course is just a stepping-stone in the development of your mathematical ability. In this class you will explore your beliefs about mathematics and how you learn mathematics. Challenging yourself in this classroom will allow you to proceed onto the next step.

**Academic Integrity:** Western’s academic community operates on the basis of honesty, integrity, and fair play. Occasionally, this trust is violated when academic misconduct occurs, either inadvertently or deliberately. Academic misconduct includes, but is not limited to, plagiarism, cheating, fabrication, and knowingly making possible any act of misconduct. Western’s policy on academic integrity states: "Violations of academic integrity may result in the following: an "F" grade or a zero for the assignment, an "F” or unsatisfactory for the course, withdrawal from the course, or suspension or expulsion from the University. Serious violations of academic integrity will be reported to the Office of Academic Affairs."

**Disability Services:** Western State Colorado University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required, affording equal educational opportunity. It is the student's responsibility to contact the faculty member in a timely fashion to arrange for suitable accommodations.

**Classroom:** We are in a professional environment. The best way to make this class work for not only yourself, but the entire class is to have common courtesy and respect towards each other. **Please do not use cell phones or iPods during the class and have the courtesy to turn them off before you enter the classroom**.

**Communication:** You may email me in case you need any help on your homework. Please be sure to sign your name as it appears on the roster. You may also call me on my classroom phone; however email is probably the best way to communicate.

**Collaboration:** You are expected to participate in classroom activities. This means that you will need to ask questions when you have them and volunteer answers when we are working together as a whole class. We will also have many opportunities to collaborate with your peers and you will be expected to use your time wisely in order to be successful in this course.

**Grading:** **This course is graded Satisfactory/Unsatisfactory. To receive a satisfactory grade, your average in the course at the end of the semester must be at least a 75% and you must pass the comprehensive final.**

Your grade will be computed by the following:

15% Attendance

20% Homework Assignments

10% Quizzes

25% Exams

30% Mandatory Comprehensive Final

**Exams:** Students will take five exams throughout the semester (not including the final).

**Final Exam:** The final exam will be administered on **Monday May 8th.** The final exam will be comprehensive and students will be given a list of topics/ problems to study one week before the exam. **Any student who does not pass the final exam may not receive a satisfactory grade in the course**.

**Quizzes:** I usually open a class (or section of the book) with a “Warm-Up” problem, something taken from the previous section, or something out of the homework. It is a 5 minute practice, which I use as a Quiz grade. Occasionally there are short quizzes within a section.

**Attendance:** Your grades in this course are depicted from the homework, quizzes, exams, and your **attendance** and **participation** in class. Attendance will be taken on a daily basis and is 15% of your grade. If possible, students who are absent should let you know when they will be absent. However, explaining the reasons for the absence does not change the fact that they missed group activities and instruction completed during class, which somehow will need to be made up

**Homework:** Daily homework is mandatory. I don’t accept late homework. Homework for each lesson is due the next day at the beginning of class. Homework should show detailed work in order to receive the maximum amount of points for each problem. **Writing only answers will not carry any points. YOU HAVE TO SHOW WORK!**

**Disclaimer:** I reserve the right to change the pacing of the lessons due to unavoidable circumstances. It is also my responsibility to grade you fairly. I define fair as “everyone getting what he or she needs to succeed in my class”. I define success in terms of learning toward our goals more so than a mark on a piece of paper.

**\*\*\*\*Changes to the syllabus will be announced in class\*\*\*\***

**\*\*\*\*Most changes will be due to TESTING schedules for CMAS, PARCC, ACT/SAT\*\*\*\***

|  |  |
| --- | --- |
| **WEEK** | **CONTENT COVERED** |
| **WEEK 1**  **1/9 – 1/13** | **SYLLABUS**  **1.1: EXPRESSIONS**  **1.2: EQUATIONS**  **QUIZ** |
| **WEEK 2**  **1/16 – 1/20** | **NO CLASS MONDAY JANUARY 16TH**  **1.3: EQUIVALENT EXPRESSIONS**  **1.4: EQUIVALENT EQUATIONS**  **QUIZ** |
| **WEEK 3**  **1/23 – 1/27** | **REVIEW FOR EXAM 1**  **EXAM 1**  **2.1: REORDERING AND REGROUPING**  **QUIZ** |
| **WEEK 4**  **1/30 – 2/3** | **2.2: THE DISTRIBUTIVE LAW**  **2.3: EXPANDING AND FACTORING**  **QUIZ**  **NO CLASS FRIDAY FEBRUARY 3RD** |
| **WEEK 5**  **2/6 – 2/10** | **2.3 EXPANDING AND FACTORING**  **2.4: ALGEBRAIC FRACTIONS**  **REVIEW FOR EXAM 2**  **EXAM 2** |
| **WEEK 6**  **2/13 – 2/17** | **3.1: SOLVING EQUATIONS**  **3.2: SOLVING INEQUALITIES**  **QUIZ** |
| **WEEK 7**  **2/20 – 2/24** | **NO CLASS MONDAY FEBRUARY 20TH**  **3.3: ABSOLUTE VALUE EQUATIONS AND INEQUALITIES**  **REVIEW FOR EXAM 3**  **EXAM 3** |
| **WEEK 8**  **2/27 – 3/3** | **4.1: WHAT IS A FUNCTION?**  **4.2 FUNCTIONS AND EXPRESSIONS**  **QUIZ** |
| **WEEK 9**  **3/6 – 3 /10** | **4.2: FUNCTIONS AND EXPRESSIONS**  **4.3: FUNCTIONS AND EQUATIONS**  **QUIZ** |
| **WEEK 10**  **3/13 – 3/17** | **4.4: FUNCTIONS AND CHANGE**  **4.5 FUNCTIONS AND MODELING**  **QUIZ** |
| **WEEK 11**  **3/20 – 3/24** | **REVIEW FOR EXAM 4**  **EXAM 4**  **5.1: LINEAR FUNCTIONS**  **NO CLASS THURSDAY MARCH 23RD OR FRIDAY MARCH 24TH** |
| **SPRING BREAK**  **3/27 – 3/31** | **NO CLASSES** |
| **WEEK 12**  **4/3 – 4/7** | **NO CLASS MONDAY APRIL 3RD**  **5.2: WORKING WITH LINEAR EXPRESSIONS**  **QUIZ** |
| **WEEK 13**  **4/10 – 4/14** | **NO CLASS TUESDAY APRIL 11TH**  **5.3: SOLVING LINEAR EQUATIONS**  **5.4: EQUATIONS FOR LINES IN THE PLANE**  **QUIZ** |
| **WEEK 14**  **4/17 – 4/21** | **5.5: MODELING WITH LINEAR FUNCTIONS AND EQUATIONS**  **5.6: SYSTEMS OF LINEAR EQUATIONS**  **QUIZ** |
| **WEEK 15**  **4/24 – 4/28** | **5.6: SYSTEMS OF LINEAR EQUATIONS**  **REVIEW FOR EXAM 5**  **EXAM 5** |
| **WEEK 16**  **5/1 – 5/5** | **REVIEW FOR FINAL** |
| **WEEK 17**  **5/8 – 5/12** | **FINAL – MAY 8TH**  **FINAL PROJECT** |
| **WEEK 18**  **5/15 – 5/19** | **SENIOR CHECKOUT – MAY 16TH** |