## Math 250-56837 College Arithmetic

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| **Semester/Year: Spring 2016**  **Units: 3**  **Course ID: winter31064**  **Location: SOC 31**  **Office Hrs:** Thurs 11am-12pm, Wed 12-1pm | **Instructor**: Kelly Winter  **Office Location:** FEM 1L  **Phone number:** (559) 638-0300 ext 3471  **Email**: kelly.winter@reedleycollege.edu  **Virtual Office Hr**: Tues 9-10am via email or MML |
| **Length:** 9 weeks (January 11 – March 11)  **Schedule**  All classes meet on Monday, Wednesday and Friday  Time: 1:00pm to 2:50pm | **Final Exam:** Friday, March 11th 1:00pm to 2:50pm |

**Course Description**

This course is designed as a quick review of college arithmetic to prepare the student for MATH 256 or MATH 101. Topics include arithmetic operations on integers, fractions and decimals; application of order of operations to simplification of mathematical expressions; word problems and applications of arithmetic using ratios, proportions and percents.

**Prerequisite:** none

**Student Learning Objectives**

1. Convert numbers between decimals and fractions.
2. Develop an understanding of the base ten number system.
3. Learn basic addition and multiplication facts of single digit integers.
4. Learn, practice and apply the operations of addition, subtraction, multiplication and division of rational numbers

**Required Text**

The required text is: Tom Carson, PREALGEBRA, 4th edition.

Reading of the corresponding chapters will be required.

Homework assignments will be posted at [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com) (MyMathLab)

**Other Course Materials/Technology**

Our class will rely heavily on the use of online materials. To access our course materials and homework assignments, you will need to log in to MyMathLab. If you have purchased a new textbook, it has an access code included. If you purchased your textbook used, you will need to purchase an access code to use this site. If needed, you can purchase an access code in the campus bookstore or you can purchase it on the website using a credit card or paypal. **Access to MyMathLab is a requirement for this course. You must have access to MyMathLab by Friday, January 15th or you will be dropped from the course. A scientific calculator is a requirement for the course.** A phone, ipod, ipad, computer, or other device will not be allowed during a test.

**Assignments & Tests**

All homework assignments will be completed online at MyMathLab. Homework assignments will be due each week by **Sunday 11:59pm** and will cover topics discussed during the previous week. I will do my best to maintain the pace as laid out in the schedule below. That being said, depending on how quickly or slowly we progress through the material, I reserve the right to adjust homework due dates as needed. Any changes to due dates will always be announced in class.

**Makeup Work/Late Assignments**

As policy, I will not accept late homework assignments. If there are **extraordinary** circumstances that are out of your control that require you to access and submit your homework after the due date, alternatives will be considered. In nearly all cases it is possible to plan ahead of time, contact me, and make arrangements. Notifying me the following day that you were unable to complete the assignment is not acceptable.

**Course Outline**

1. **Whole numbers**  
    1. Understanding Whole Numbers and the Base Ten number system  
    2. Addition of Whole Numbers  
    3. Subtraction of Whole Numbers  
    4. Multiplication of Whole Numbers  
    5. Division of Whole Numbers  
    6. Exponents and Order of Operations  
    7. Rounding and Estimation  
    8. Applied problems involving Whole Numbers
2. **Fractions**  
    1. Understanding Fractions  
    2. Simplifying Fractions  
    3. Improper Fractions and Mixed Numbers  
    4. Multiplication of Fractions and Mixed Numbers  
    5. Division of Fractions and Mixed Numbers  
    6. Least Common Denominator  
    7. Addition and Subtraction of Fractions  
    8. Combining Mixed Numbers and Order of Operations  
    9. Applied problems involving Fractions
3. **Decimals**  
    1. Decimal Notation  
    2. Comparing, Ordering, and Rounding Decimals  
    3. Addition and Subtraction of Decimals  
    4. Multiplication of decimals  
    5. Division of Decimals  
    6. Converting Fractions to Decimals and Order of Operations  
    7. Applied Problems Involving Decimals
4. **Integers**  
    1. Addition of integers  
    2. Subtraction of integers  
    3. Multiplication of integers  
    4. Division of integers  
    5. Integers raised to whole number exponents

**Assignment Point Values**

| ***Assignment*** | ***Value*** |
| --- | --- |
| Homework and Quizzes | 20% |
| Chapter Exams (15% each exam) | 60% |
| Final Exam | 20% |

**Final Grades**

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| --- | --- |
| ***Letter Grade*** | ***%*** |
| A | 90 -100 |
| B | 80 – 89.4 |
| C | 70 - 79.4 |
| D | 60 - 69.4 |
| F | 0-59.4 |

**Grading Policies/Rubrics**

You will be able to monitor your grade on MyMathLab as I will be posting all of your scores (online and offline activities) online.

**ACADEMIC DISHONESTY**

Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences.

**Cheating** is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another’s work, supplying one’s work to another, giving or receiving copies of examinations without an instructor’s permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

**Plagiarism** is a specific form of cheating: the use of another’s words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on the particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

*NOTE: If you have a verified need for an academic accommodation or materials in alternate media (i.e, Braille, large print, electronic text, etc.) per the Americans with Disabilities Act or section 504 of the Rehabilitation act please contact me as soon as possible.*

*Please refer to SCCCD polies for guidance on all matters relating to this course.*

**Course Schedule**

Jan 11 - 15: Chapter 1: Whole Numbers (1.1, 1.2, 1.3, 1.4, 1.5)

Jan 18 - 22: **Holiday—Martin Luther King Day, no class Monday**

Chapter 1 continued: Whole Numbers (1.6)

Review

Jan 25 - 29: Chapter 1 Exam on Monday Jan 25th

Chapter 2: Integers (2.1, 2.2, 2.3, 2.4, 2.5, 2.6)

Feb 1 - 5: Chapter 2 continued: (2.5, 2.6 & Review)

Feb 8 - 12: Chapter 2 Exam on Monday, Feb 8th

**Holiday—Lincoln Day observed, no class Friday**

Chapter 5: Fractions and Rational Expressions (5.1, 5.2)

Feb 15 - 19: **Holiday—Washington Day observed, no class Monday**

Chapter 5 continued: (5.3, 5.4, 5.5, 5.6, 5.7)

Feb 22 - 26: Chapter 5 Review and Exam on Wednesday, Feb 24th

Chapter 6: Decimals (6.1, 6.2)

Feb 29 - Mar 4: Chapter 6: 6.3, 6.4, 6.5 & Review and Exam on Friday, March 4th

Mar 7 - 11: Review and study

**Comprehensive FINAL EXAM on Friday, March 11th**