Math 103-95028 Intermediate Algebra

Semester/Year: Fall 2018	**Instructor**: Kelly Winter
Units: 5	**Office Location:** FEM 1L
Location: CC1 200	**Phone number:** (559) 638-0300 ext 3471
Office Hrs: Mon & Wed 10am-12pm	**Email**: kelly.winter@reedleycollege.edu
	Virtual Office Hr: Fri. 10-11am via Canvas or email
Length: 18 weeks (Aug 13 – Dec 14)	
Schedule	**Prerequisite:** Math 201 or equivalent
All classes meet on every day, Mon-Fri	
Time: 9:00am to 9:50am	**Final Exam:** Monday, Dec. 11th 9am to 10:50am

Welcome to Intermediate Algebra

It is my desire to help each one of my students succeed and gain confidence in their math skills. I believe that all students can succeed if they come to class, participate in discussion, complete all assigned work, ask questions and prepare for exams. I am here to guide you through the course, answer questions and encourage you to work hard. I am looking forward to this semester.

Course Description

This course is designed to provide students with a strong foundation in algebra, graphing, and problem-solving skills. This course will cover many algebraic concepts including: equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections.

Student Learning Objectives:

Upon completion of this course, students will be able to:

1. simplify and/or factor mathematical expressions into forms more conducive to analysis
2. solve equations introduced in Intermediate Algebra (linear, quadratic, exponential, logarithmic, and radical)
3. graph functions and relations introduced in Intermediate Algebra (linear, quadratic, exponential, logarithmic, and radical)
4. apply Intermediate Algebra topics (linear, quadratic, exponential, logarithmic, and radical functions) to solve real-life problems

Objectives:

In the process of completing this course, students will:

1. use the properties of lines and linear inequalities, and apply operations on functions
2. simplify radical and complex expressions and perform operations on them
3. solve quadratic equations using various techniques including factoring and quadratic formula, and graph parabolas
4. apply the properties of exponents and logarithmic functions to change the base of a logarithm
5. manipulate and graph equations of conic sections
6. optional Topics (if time permits): generalize arithmetic and geometric sequences and find the kth term of a binomial expansion.

Required Text
The required text is: George Woodbury. *Elementary & Intermediate Algebra*, 4th ed. Pearson Education, 2015.
Reading of the corresponding chapters will be required.
Homework assignments will be posted at 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 via Canvas. 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. If you purchased an access code for Math 201 you will not need a new access code. You will be able to register for the new course without being prompted to purchase a new access code.
Access to MyMathLab is a requirement for this course. You must have access to MyMathLab by Friday, August 17th 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 **Monday 11:59pm or the night before an exam**, 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.

Assignment Point Values

Assignment	*Value*
Homework and Quizzes	15%
Chapter Exams (10% each exam)	60%
Final Exam	25%

Final Grades

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

Grading Policies/Rubrics
Please monitor your grade on MyMathLab. All scores, online and offline, will be posted here.

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

Aug 13 - 17:	Chapter 8: A Transition 8.1, 8.2, and 8.3
Aug 20 - 24:	Chapter 8 continued 8.4 and 8.5 *Last day to drop a class for full refund Aug 24.*
Aug 27 - 31:	Chapter 8 Review and **Exam.** Chapter 9: Rational Expressions and Equations 9.1 and 9.2 *Last day to drop to avoid a W Aug 31, and last day to register for a class.*
Sept 3 - 7:	**Holiday, Labor Day, NO CLASS MONDAY** Chapter 9 continued 9.3, 9.4, and 9.5
Sept 10 - 14:	Chapter 9 Review and **Exam.**
Sept 17 - 21:	Chapter 10: Quadratic Equations 10.1, 10.2 and 10.3
Sept 24 - 28:	Chapter 10 continued 10.4 and 10.5
Oct 1 - 5:	Chapter 10: 10.6, Review and **Exam.** Chapter 11: Functions 11.1
Oct 8 - 12:	Chapter 11 continued 11.2, 11.3, 11.4, and 11.5 *Final drop date is Friday, October 12th.*
Oct 15 - 19:	Chapter 11 continued 11.6, Review and **Exam.** Chapter 12: Logarithmic and Exponential Functions 12.1
Oct 22 - 26:	Chapter 12 continued 12.2, 12.3, and 12.4
Oct 29 - Nov 2:	Chapter 12 continued 12.5, 12.6 and Review
Nov 5 - 9:	Chapter 12: Review and **Exam.** Chapter 13: Conic Sections 13.1
Nov 12 - 16:	Chapter 13 continued 13.2, 13.3, and 13.4
Nov 19 - 23:	Chapter 13 **Exam.** Chapter 14: Sequences, Series and the Binomial Theorem 14.1 and 14.2 **Holiday, Thanksgiving Day, NO CLASS THURSDAY AND FRIDAY**
Nov 26 - 30:	Chapter 14 continued 14.3, 14.4, Review and **Exam.**
Dec 3 - 7:	Final Review
Dec 10 - 14:	**Comprehensive FINAL EXAM on Wednesday, Dec 12th 9 - 10:50am**