Welcome to Math 100B!

It is going to be a great quarter.

Central Washington University

Course: Introductory Algebra, MATH 100B
Winter Quarter, 2019
Sect. 002: Black Hall 224, 9-9:50AM, daily

Lecturer: Dr. Matt Pruis
Office: Samuelson 228D
Office Hour: 8-8:50am, daily
email: pruism@cwu.edu
Office phone: 509-963-2139

Text and MyMathLab:

Math 100B Course Pack is required and can be purchased at the CWU Bookstore. You will also need an access code to MyMathLab that can be purchased either through the CWU Bookstore or by credit card when enrolling through canvas.

TopHat:

We will be using TopHat. Please download the app and install on your phone. You can also use tablets and laptops. We will use TopHat for attendance and also for answering questions posed during the lectures.

Recommended Materials:

- Graphing calculator (TI-83/84 preferred). The free smartphone app, Desmos, is sufficient for this class.
  Note: Without my consent, you will not be able to use a cell phone on tests.
- Pencils, erasers, lined paper or graph paper, notebook.

School Mission Statement:

The mission of Central Washington University is to prepare students for enlightened, responsible, and productive lives; to produce research, scholarship, and creative expression in

the public interest; and to serve as a resource to the region and the state through effective stewardship of university resources.

<u>Description:</u>

This course is designed to prepare students for college mathematics. Symbolic, graphical, and numeric representations will be studied to understand and apply the concepts of algebra. Credits will not be allowed toward meeting bachelor's degree requirements.

<u>Learner Outcomes:</u>

Upon successful completion of this course, the student will be able to:

- Simplify and solve mathematical expressions of whole, integer, rational, and real numbers in symbolic and numeric form
- Recognize a variety of problem situations including real-world phenomena that can be modeled by linear, quadratic, rational, and absolute-value functions
- Translate among numeric, symbolic, graphical, and real-world representations of functions
- Understand and use the order of operations for numerical calculations and for algebraic manipulations
- Identify and use commutative, associative, and distributive properties of the integer, rational, real numbers.
- Recognize, apply, and model the addition, subtraction, multiplication, division, and radical operations of the real numbers numerically, symbolically, scientific notation, and graphically
- Use and apply operations on decimal, percent, ratios, and rates numbers to solve problems
- Make and test hypothesis
- Work on extended problems in cooperative groups and applying appropriate technology to solve problems.

Guidelines for assessing the student's ability to meet the learner outcomes:

<u>Student Advancement:</u>

Passing this course requires satisfactory performance in the areas of scholastic behavior, coursework, and basic skills. Students must meet the following standards:

- 73% or better on coursework (including a passing grade on the final)
- Successful completion of Basic Skills tests.

<u>Mastery of Basic Skills</u>:

The Basic Skills tests cover skills that students are expected to know when entering the course. Students must pass all three Basic Skills tests at an 80% proficiency level. Students may retake these tests in order to meet the required proficiency level. Dates will be announced.

<u>Homework</u>:

MyMathLab homework will be assigned after the completion of a section in the class. MyMathLab homework is due the day before the next quiz. 10% per day is deducted for late homework. You will have an unlimited number of attempts on the homework, so everyone can get 100% on their homework. Students who do their homework in sequence of instruction will benefit the most from classroom instruction.

When doing your homework feel free to ask for help.

- The University Math Center is here to help you; get in the habit of doing your homework during the open hours of the Math Center. Scheduled one-on-one tutoring is available at the Learning Center and online tutoring is also available.
- I have an office hour daily, come in and ask your questions. If my office hour doesn't work for you, send me an email with some times that would work for you, and we can schedule a different time.
- MyMathLab also has an "ask your professor" button. That will send me an email with the exact question you are struggling with; then I can respond to that exact question. It's awesome.
- Form a regular study group with other members of the class. Let me know when and where you meet and maybe I'll show up sometimes!

Attendance will be taking daily and is a part of your homework grade. This will show up as an attendance score in your gradebook.

We will use TopHat also to pose and respond to questions in class. Your participation is expected.

<u>Quizzes</u>:

Quizzes will be given frequently throughout the quarter. The content and type of questions will be similar to the questions and material in the homework. 45% of your final grade will be based off of your quiz scores.

Projects:

10% of your grade will be based off of your projects. We will have two project days during the quarter where I'll explain the project and you'll have approximately one week to turn your project in.

Final Exam:

A comprehensive final exam worth 15% of the final grade will be given at the end of the quarter covering all of the course's learner outcomes. The content and type of questions will be similar to quizzes and homework given during the quarter.

Grading:

Grades will be determined by the following weights:

Homework   30%
Projects   10%
Quizzes   45%
Final Exam   15%

Grades will be determined by the following scale:

93-100% = A	90-93% = A -	87-90% = B +	83-87% = B	80-83% = B -	77-80% = C +
73-77% = C	70-73% = C -	67-70% = D +	63-67% = D	60-63% = D -	Below 60%=F

Disability Resources Statement:

Central Washington University is committed to supporting and sustaining an inclusive campus that recognizes disability as diversity. We are dedicated to ensuring individuals with disabilities have an equal opportunity to fully participate in the educational process and university experience. If you anticipate or experience any barriers to learning, please discuss your concerns with me. Students with disabilities should also contact Disability Services to discuss a range of options to removing barriers, including accommodations. Student Disability Services is located in Hogue 126. Call (509) 963-2214 or email ds@cwu.edu for more information.

In my classroom, diversity is welcomed and appreciated. I will not tolerate any forms of prejudice or discrimination, including those based on age, color, disability, gender, national origin, political affiliation, race, religion, sexual orientation, or veteran status. We are here to learn in a climate of civility and mutual respect.