



Central Washington University

Mathematics Department
400 E. University Way
Ellensburg, WA 98926



Math 152

CRN #11041

Andrew Richards

Functions and Reasoning

CRN #11042

AndrewR@cwu.edu

Winter 2023

Number of credits: 5

Office Hour: 11:00 a.m.
Tuesday/Thursday

Textbook: Coursepack which can be purchased through the CWU Bookstore.

The format for this course follows the following textbook which is optional:

Lippman, David, and Melonie Rasmussen. *Precalculus: An Investigation of Functions* \. 2nd ed., Open Textbook Library., 2017.

Recommended Materials: Desmos graphing application

Additional optional materials: Graphing Calculator (TI-83/84 preferred), pencils, erasers, lined paper or graph paper, notebook, and large eraser.

Course Description: Develops precalculus readiness through increased understanding of algebraic concepts and skills by exploring: real number algebra; rates of change; manipulation of quantities represented symbolically, graphically, and in words; and linear and quadratic relationships to function.

Prerequisites: A math placement test score resulting in eligibility for MATH 101 or successful completion of MATH 100B or 100BC with a grade of C or higher.

Math Mission Statement: In support of liberal education, scientific careers, teacher preparation, and actuarial science, the mathematics department prepares students for quantitative and symbolic reasoning and advanced mathematical skills through general education, service, major, and graduate programs.

Attendance: I do expect regular participation and attendance throughout the term. You have until **11:59 p.m., January 10th, 2023**, to be eligible for a refund. If you have to be absent for some emergency, be sure to contact me at the earliest possible time.

Grade: Grades will be assigned using 90% - 100% = A 80% - 90% = B 70% - 80% = C 60% - 70% = D; + and – grades apply if your score is within 2% with the exception of A+ and F-.

Grading: Grades will be based on

Assignments

In-class Activities (5% per unit)	Total: 25.0%
Homework (5% per unit)	Total: 25.0%
Preview/Practice (2.5% per unit)	Total: 12.5%
Exams 6% each	Total: 30.0%
Final 7.5%	Total: 7.5%

Assignments: Assignments will be given throughout the term in the form of in-class activities, homework, and occasionally assignments will be given that practice and preview assignments.

In-class Activities: The majority of the assignments will be completed in-class and will be more student centered covering the major concepts to prepare you for both pre-calculus and calculus. There are designated make up days for activities, but otherwise cannot be made up.

Homework: Homework will be assigned through Canvas using a program called MyOpenMath. Homework is opened every Sunday until its due date list in Canvas.

MyOpenMath: The majority of work will be done in Canvas using an open education resource called MyOpenMath. MyOpenMath has recorded lectures over many of the major topics, and a free online textbook separated by section. The homework assignments are typically very short and can be done multiple times. Many problems have supports such as the option to watch a video or use a hint for this exact problem.

Preview/Practice assignments: As we cover major concepts there will times were covering prior topics or skills will be necessary.

Late work: Exceptions are given pending only with instructor approval, but otherwise no late work is accepted after the due date. You are given three late passes which can used on homework assignments as well as other MyOpenMath assignments where one can be redeemed.

Homework advice: Success in math goes hand-in-hand with completing the homework assignments. When doing your homework, feel free to ask for help. The Math tutor center is an excellent resource that is available to all CWU students. You can access math tutoring at <https://www.cwu.edu/academic-success/schedule-appointment>. The homework is assigned to provide you with enough practice to retain the ideas and techniques you're learning. Doing homework daily gives you the advantage of taking in smaller amounts of information at a time and getting help early when you need it. This is the class to begin to develop good study habits. If you need help outside of the classroom there are several options available to you: get a second opinion from a classmate, an assistant in the Math tutor center, or from me via office hours, canvas, or e-mail.

Exams: There will be five exams given throughout this course. All will have make-ups, if you know you will not be able to attempt/complete an exam, it is your responsibility to arrange to take the exam before it is given. You will be given the entire lecture period for the exam.

Office Hours/Appointments: Unless otherwise stated in Canvas or in the weekly announcements, I will maintain office hours throughout the term 11:00 a.m. every Tuesday and Thursday. If you would like to set up an appointment outside of these times please contact me and I where possible I am happy to accommodate you.

Disability Resources Statement: Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning, discuss your concerns with the instructor. Students with disabilities should 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.

Academic Honesty: Consult university policies (CWUP 5-90-040(22), CWUR 2-90-040(22), and WAC106-125-020) for student conduct, cheating, plagiarism, and other academic expectations. CWU's policies and recommendations for academic misconduct will be followed, leading to disciplinary action up to and including failing the course.