

Math 152: Functions and Reasoning — Winter 2023

Instructor Information

Name: Dr. Saud Hussein
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Class Information

Dates: 01/04/23 – 03/10/23
Time: 12 – 12:50 PM
Classroom: Samuelson Hall – Room 107
Final Exam: 03/17/23, 12 – 2 PM

Course Description

This course is designed to prepare students for college-level precalculus mathematics 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 relationships to function.

We will cover the following chapters and sections of the textbooks:

College Algebra

- Chapter 1 – Prerequisites
- Chapter 2 – Equations and Inequalities

Precalculus – An Investigation of Functions

- Chapter 1 – Functions
- Chapter 2 – Linear Functions

College Algebra – An Investigation of Functions

- Chapter 5 – Systems of Equations (5.1, 5.3)

Textbook

We will be using parts of three OER (open education resource) textbooks for this course:

1. *Precalculus – An Investigation of Functions*, by Lippman and Rasmussen
2. *College Algebra – An Investigation of Functions*, by Lippman and Rasmussen
3. *College Algebra*, by Abramson

Since these are OER textbooks, they are free to download, there is no need to purchase.

A scientific calculator is required.

Grading

Your final grade will be based on the following:

Exams	Final	Homework	Group Work
45%	20%	30%	5%

To pass the course and advance to future coursework, you must score at least a C, that is, 73% or better in the coursework.

93 – 100	90 – 92	88 – 89	83 – 87	80 – 82	78 – 79	73 – 77	70 – 72	Below 70
A	A–	B+	B	B–	C+	C	C–	D or F

Class Attendance

Attendance will not be taken but there will be group work during class time worth 5% of your final grade that can not be made up.

Homework

Homework will be assigned and completed on our Canvas page and accounts for 30% of your final grade. You may extend the due time by 24 hours for a homework section by electing to use one of your **five late pass allowances** at the Canvas homework tool.

Exams

There are four exams worth a total of 45% of your final course grade. **The lowest exam grade will be dropped.** If you miss an exam, you may take the exam with a valid excuse and with prior permission. This must be done within a week of the missed exam. If an exam is missed without prior notification or for an excused reason, the exam may be taken but 20 points will be deducted.

The exams will cover the following chapters and sections:

- Exam 1 – Chapters 1 and 2 (Prerequisites, Equations and Inequalities)

- Exam 2 – Chapter 1 (Functions, Sections 1.1–1.4)
- Exam 3 – Chapter 1 (Sections 1.5–1.6), Chapter 2 (Sections 2.1–2.2)
- Exam 4 – Chapter 2 (Sections 2.3–2.5), Sections 5.1, 5.3 (Systems)

The final exam is comprehensive and counts for 20% of your grade.

COVID-19 and Masking

In accordance with [Proclamation 21.14.1](#), CWU has chosen to make vaccinations a priority this academic year. We believe a fully vaccinated community is the best way to protect our individual and collective health and safety. **Proof of full vaccination against COVID-19 is required for all employees and students.** Medical and/or religious accommodation requests will be considered.

Getting Help

To get help in understanding the material in this course, schedule a time to meet with me in person during office hours or on Zoom outside office hours.

The Academic Success Center also provides tutoring. Schedule an appointment at cwu.edu/asc.

Important Dates

The exams are tentatively scheduled for the dates shown below:

- **January 10** – Last day to add or drop the class
- **January 16** – No class (Martin Luther King Jr. Day)
- **January 23** – Exam 1
- **February 7** – Exam 2
- **February 17** – Uncontested withdrawal deadline
- **February 20** – No class (Presidents Day)
- **February 23** – Exam 3
- **March 10** – Exam 4
- **March 17** – Final Exam

Academic Honesty and Inclusiveness

Consult university policies CWUP 5-90-040(22), CWUR 2-90-040(22), and WAC 106-125-020 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.

CWU expects every member of the university community to contribute to an inclusive and respectful classroom culture.

Students with Disabilities

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 your 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.

Faith/Tradition Observances Policy

In compliance with RCW 28B.137.010, Central Washington University makes every effort to deal reasonably and fairly with students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Students must present written notice to their instructor within the first two weeks of class listing the specific dates on which accommodations are required. Contact the Dean of Student Success at (509) 963 – 1515 for further information or questions.