

# Math 153: Pre-Calculus I — Winter 2023

## Instructor Information

*Name:* Ann George

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*Office Hours:* 12 – 12:50 PM, M-F and in Zoom by appointment



## Class Information

*Dates:* 1/4/23 – 3/10/23

*Time:* asynchronous

*Classroom:* Online

## Course Description

A continuation of Math 152, additional functions are investigated: polynomial functions, especially quadratic functions; inverse and radical functions; rational functions; exponential and logarithmic functions.

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

### *College Algebra*

- Chapter 1 – Prerequisites (1.2–1.6)
- Chapter 2 – Equations and Inequalities (2.2, 2.5, 2.6)

### *Precalculus – An Investigation of Functions*

- Section 1.5 – Transformation of Functions
- Chapter 3 – Polynomial and Rational Functions
- Chapter 4 – Exponential and Logarithmic Functions

## Textbook

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

1. *Precalculus – An Investigation of Functions*, by Lippman and Rasmussen
2. *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	Attendance
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

Each lecture has an online Attendance assignment that will be used to take attendance.

## Homework

Homework will be assigned and completed through Canvas 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 **ten 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.

Exams will be taken in Zoom. Testing sessions will be scheduled to accommodate student schedules. All exams can be retaken in Zoom within two weeks of the exam date. Please email me to set up a retake time.

The exams will cover the following chapters and sections:

- Exam 1 – Chapters 1 and 2 (Prerequisites, Equations and Inequalities)
- Exam 2 – Chapter 3 (Polynomial and Rational Functions, Sections 3.1–3.6)
- Exam 3 – Chapter 3 (Sections 3.7–3.8), Chapter 4 (Sections 4.1–4.2)
- Exam 4 – Chapter 4 (Sections 4.3–4.7)

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

## 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. Please email to schedule Zoom office hours.

The Academic Success Center also provides tutoring. Schedule an appointment at [cwu.edu/asc](http://cwu.edu/asc).

## Important Dates

The exams are tentatively scheduled for the dates shown below:

- **Jan 10** – Last day to add or drop the class
- **Jan 16** – No class (Martin Luther King Day)
- **Jan 23** – Exam 1
- **Feb 7** – Exam 2
- **Feb 20** – No class (Presidents Day)
- **Mar 17** – Uncontested withdrawal deadline
- **Feb 20** – Presidents Day
- **Feb 21** – Exam 3
- **Mar 9** – Exam 4

## Academic Honesty and Inclusiveness

Consult university policies CWUP 5-90-040(22), CWUR 2-90-040(22), and WAC 106-125020 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](mailto: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.