



Central Washington University

Mathematics Department
400 E. University Way
Ellensburg, WA 98926



Math 155

Number of credits: 5

AndrewR@cwu.edu

CRN #91061

Applied Precalculus

Office Hour: 12:00 p.m.

Fall 2022

Tuesday

Additional optional materials: Desmos Application (Smartphone), Graphing Calculator (TI-83/84 preferred), TI-30 Series Calculator (what is provided virtually during exam), pencils, erasers, lined paper or graph paper, notebook, and large eraser.

Course Description: An accelerated review of topics necessary for success in a technology field focusing on linear, quadratic, logarithmic, exponential, and trigonometric equations and practical applications to these fields. This course will not prepare you for calculus.

Prerequisites: A grade of C or higher in Math 100C or an appropriate test score on the mathematics placement exam.

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 with discussion groups and periodic check-ins where necessary. You have until **11:59 p.m., September 27th, 2022**, 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.

Office Hours/Appointments: I will maintain office hours throughout the term 12:00 p.m. every Tuesday. If you would like to set up an appointment please e-mail me as I am happy to accommodate you.

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.

Graded Coursework

Physical Assignments (7): Assignments can be found with each of the seven modules. I will be covering these questions as they are presented.

MyOpenmath: Each of the seven modules will have virtual assignments that are expected to be completed with 100% accuracy before you take the module's standard. These assignments can be accessed in Canvas and will give immediate feedback and can be taken multiple times.

Standards: Each of the seven modules will have a timed (60 minutes) that will be given once the assignments associated with it and will be given in class on specific days throughout the term. You get 2 attempts at each problem and you will be required to receive 100% to receive a "Pass". If your work demonstrates an understanding of the material, you will receive a "Marginal Pass". After the 1st standard attempt you will need to turn in both the physical assignment as well as the myopenmath assignment(s) in order to retake the standard.

Applied Precalculus

1. Tools and Calculator
2. Conversions
3. Formulas
4. Advanced Formulas
5. Noise and Voltage
6. Exponential and Logarithmic Functions
7. Trigonometry and Applications
8. Practice Certificatio

Final Grades will be based on a criterion system. To achieve a given grade, you must meet all the requirements for that grade.

Grade	Number of Standards Passed	Number of Marginal Passed Standards	Homework %
A	8	8	93%
A-	8	8	90%
B+	7	7	87%
B	6	7	83%
B-	6	6	80%
C+	5	6	77%
C	5	5	73%
C-	4	5	70%
D+	4	4	67%
D	3	4	63%
D-	2	3	60%

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.