

Instructor : Aaron Montgomery

Office : Samuelson 221E

Offline Office Hours : M @ 9, TTh @ 11

Online Office Hours : via Canvas Blackboard by Appointment

Email : montgoaa@cwu.edu **Phone** : 963-1906

Course Outcomes:

Students at the end of this course will be able to...

- apply Newton's method to real functions
- perform basic arithmetic and differentiation of complex functions
- apply Newton's method to complex functions
- describe the construction of the Mandelbrot set
- describe the construction of Julia and Fatou sets

Graded Coursework:

Homework (100 points): Nine weekly homework assignments will be assigned and are due to me by 11:59 pm on the due date. Each homework assignment will be worth 12.5 points, one homework score (the lowest) will be dropped and your final grade will be based on the percentage of points earned.

$\geq 87\%$	B+		$\geq 93\%$	A		$\geq 90\%$	A-
$\geq 77\%$	C+		$\geq 83\%$	B		$\geq 80\%$	B-
$\geq 67\%$	D+		$\geq 73\%$	C		$\geq 70\%$	C-
			$\geq 63\%$	D		$\geq 60\%$	D-

Masks

Due to COVID-19, students in this classroom are required to wear masks that cover both the nose and the mouth. If you attend class without an appropriate mask you will be asked to leave and obtain a mask before returning. If you refuse to wear a mask or leave, class will be dismissed and a Report of Behaviors of Concern will be submitted to the Dean of Students.

If you do not have a face mask, Central Washington University can provide one for you. If you have not yet received your CWU-supplied mask, please go to the SURC Information Desk. Some departments/programs may also provide disposable masks. Please obtain a suitable mask prior to the start of your first class. Information on appropriate masks can be found at this web site: <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/about-face-coverings.html>. Standard face shields, single-layer neck gaiters, single layer masks, masks with one-way vent valves, and handkerchiefs are not considered appropriate masks for this course.

Accommodations

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Disability Services is located in Hogue 126. Call (509) 963-2214 or email ds@cwu.edu for more information.

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.