Instructor : Aaron Montgomery
Class : MTWΘF @ 10 am in Samuelson 103
Lab : some T @ 10 am in Samuelson 138
Office Hours : MF @ 9 am, Θ@ noon, and by appt. in Samuelson 221E
Email : montgoaa@cwu.edu   **Phone** : 963-1906
Text : **Calculus: Multivariable** (3rd ed) by Rogawski & Adams

Course Outcomes:

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

- compute partial sums
- identify and compute sums of geometric series
- apply various tests of convergence for power series
- determine and manipulate Taylor Polynomials and Taylor Series
- perform algebraic operations on vectors and provide geometric interpretations of these operations
- describe and recognize graphs of multivariable functions
- determine limiting and continuity properties of multivariable functions
- compute partial derivatives, differentials, gradients, and directional derivatives
- find equations of tangent planes
- find extrema
- communicate verbally and in writing one's understanding of mathematical concepts to others

Graded Coursework:

Homework (80 points): Ten (10) weekly homework assignments will be assigned and are due to me by noon on the due date. You may submit one (1) homework assignment by email over the course of the quarter. You will need to hand in all other homework assignments as hard-copy either to me or under my office door. Each homework assignment will be worth 10 points, the top 8 scores will count toward your grade.

Lab (40 points): Six (6) lab assignments will be graded and are due to me by 11:59 pm on the due date. You will need to email me the

Mathematica notebook for each lab. Each lab will be worth 10 points, the top 4 scores will count toward your grade.

Exams (150 points): There will be three exams over the quarter, each exam will be worth 50 points. Tentative dates are October 16 (Wed), November 6 (Wed), December 5 (Thur).

Final (80 points): There will be a comprehensive final exam covering all content in the course. It will be worth 80 points and will be during the scheduled time on finals week.

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

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 makess 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.