

- Instructor:** Dr. Tom Cuchta (call me Tom)
Time: 1:00-1:50 MWF
Location: ET 313
E-mail: tcuchta@fairmontstate.edu
Office: ET 423
Walk-in office hours: See my website <http://tomcuchta.com>. They may change throughout the semester without notice. Alternate office hours may always be scheduled via e-mail.
Class webpage: <http://tomcuchta.com/teach/classes/2020/MATH4590-Spring2020-FairmontState/>
Textbook: We will use “Analysis” by W. Ted Mahavier and W.S. Mahavier which can be found at <http://www.jiblm.org/downloads/jiblmjournal/V090212S/V090212S.pdf>
Course Description: Covers real numbers, topology of the reals, infinite series, continuous functions, sequences and series of functions, differentiation, integration and power series.
Calculator policy: Calculators will not be needed for this course.
Classwork: The typical class will be the following: a student will write a solution to a problem or a proof of a theorem on the board and the class will comment and discuss the problem or proof. We repeat until time is up. At home, someone will work with the original presenter to write up the solution or the proof (prefable in \LaTeX) for distribution to the class. Before it is distributed, someone else will check the work for correctness.
Altering the course: Since this way of teaching is new to your instructor, he reserves the right to adjust how the course will be run if there are problems. This can include adjusting how grading will work.
Exams: There will be one midterm exam in the course. This exam will consist of some proofs or problems the student has done and a choice among proofs and problems other students have done. The writeups from earlier in the course will serve as a study guide.
Final exam: The final exam will be similar in structure to the midterm exam.
Extra credit policy: Extra credit opportunities may be available throughout the course and will be announced through the usual channels.
Student handbook: <http://www.fairmontstate.edu/publications/campushandbooks/studenthandbook/default.asp>
Disability support services: Disability services are available to any student, full or part-time, who has a need because of a documented disability. It is the *student’s responsibility* to register for disability services and to provide any necessary documentation to verify a disability or the need for accommodations. Students must provide their professors with a copy of their academic accommodation letter each semester in order to receive accommodations. Faculty, students, and the Office of Disability Services must cooperate to ensure the most effective provision of accommodations for each class.

The Office of Disability Services is located in suite 316 of the Turley Student Services Center. For additional information, please call (304) 333-3661 (**TTY:** (304) 367-4906).

	Completed Presentations	200 points	Grade	Point Range
Grading policy:	Writing	100 points	A	$450 \leq \mathbf{Points Earned} \leq 500$
	Checking	50 points	B	$400 \leq \mathbf{Points Earned} < 450$
	Discussion	50 points	C	$350 \leq \mathbf{Points Earned} < 400$
	Final exam	100 points	D	$300 \leq \mathbf{Points Earned} < 350$
	Total points:	500 points	F	$0 \leq \mathbf{Points Earned} < 300$

Math 4590-001 Calendar Spring 2020

Week	Sections
13 Jan – 17 Jan	
20 Jan – 24 Jan	20 January: <i>NO CLASS</i> (MLK Day)
27 Jan – 31 Jan	
3 Feb – 7 Feb	
10 Feb – 14 Feb	
17 Feb – 21 Feb	
24 Feb – 28 Feb	
2 Mar – 6 Mar	6 March: MIDTERM
9 Mar – 13 Mar	<i>NO CLASSES — SPRING BREAK</i>
16 Mar – 20 Mar	
23 Mar – 27 Mar	
30 Mar – 3 Apr	
6 Apr – 10 Apr	10 April: NO CLASS (Spring Holiday)
13 Apr – 17 Apr	
20 Apr – 24 Apr	
27 Apr – 1 May	1 May: <i>LAST DAY OF CLASSES</i>
4 May – 8 May	<i>FINAL EXAM WEEK</i>