

- Instructor:** Dr. Tom Cuchta  
**Email:** [tcuchta@fairmontstate.edu](mailto:tcuchta@fairmontstate.edu)  
**Time:** MWF 9:00-9:50 AND T 8:30-9:20  
**Location:** HH 305 (and virtual)  
**Office:** ET 423 (and virtual)  
**Drop-in office hours:** Due to social distancing, please meet with me virtually for office hours whenever possible. You have been placed into a team within Microsoft Teams along with all of your classmates called “Dr. Cuchta’s Office” for this. For more private concerns, please email, private message, or video chat with me. Please see my website for the times when I have scheduled my daily “virtual office hours” where I will guarantee that I am available: <http://tomcuchta.com>. Their times may change throughout the semester; the website will always contain my current official schedule. Alternate times may always be scheduled.
- Class webpage:** <http://tomcuchta.com/teach/classes/2020/MATH2501-Fall2020-FairmontState/>  
**Textbook:** OpenStax “Calculus Volume 1”: **note: this book is free to download at the following link:** <https://openstax.org/details/books/calculus-volume-1>
- Course description:** This course is the calculus of one variable, beginning with an intuitive study of limits and a geometric interpretation of the derivative. Topics include differentiation of functions and the application of the derivative to graphing functions, approximating functions, solving max/min problems and related rate problems, anti-differentiation and its link to the signed area under a curve, the fundamental theorem of calculus and applications of the definite integral.
- Attendance policy:** In order to assist with possible contact tracing, assigned seating will need to be obeyed when in the classroom to make it easy to check who is attending on any given day. In-person or virtual attendance itself will *not* be recorded for a grade. If a class is missed, then it is the *student’s responsibility* to find out what was missed.
- WeBWork:** Online homework will be administered through the Fairmont State instance of WeBWork, which can be found at <https://csmath.fairmontstate.edu/webwork2>. Homework may be attempted an infinite number of times, and the highest point score earned will be counted. There will also be points awarded for timely completion of a homework assignment.
- Accessing WeBWork:** The online homework is provided for **free** by Fairmont State University at our WeBWork server. This server can be accessed from campus by going to <https://csmath.fairmontstate.edu>. If you are off campus, then you will need to use the Fairmont State cloud service to access the online homework system. See the following webpage for an explanation of reaching WeBWork from off-campus: <http://tomcuchta.com/fsucsmathserver>.
- Exams:** There will be **no exams** in this course.
- Written work grades:** The content that would otherwise be on an exam will be broken down into smaller assignments. Your submissions will be vetted on a four-letter scale accompanied with feedback:

- “E” (+2) – excellent, meaning correct, with possibly minor calculation errors,
- “S” (+1) – some problems, there are some issues but you are on the right track,
- “T” (+0) – tried, meaning there are fundamental issues or misunderstandings but I can tell you made an honest attempt, and
- “N” (+0) – not gradable, does not seem to contain an honest attempt at the work.

There will be approximately two such assignments per week of class, each with its own due date that will be specified. Assignments that receive a grade of S, T, or N can be revised to improve your grade on it. Revisions must come with a reflection essay, at least two paragraphs long, containing **both** a description of what went wrong with your thinking and approach in the first submission **and** a description of what you did to improve it in the resubmitted version. Revision submissions that do not contain a proper reflection essay will be returned with the grade of N. *You may always submit up to two revision attempts per week.*

**Extra revisions:** To obtain extra revisions you may attend tutoring via the tutoring center. Each time you attend tutoring for at least 30 minutes, you will gain an extra revision attempt for written work. *Please let me know if you've gone to tutoring so that your participation there can be verified!!* Other means to gain extra revisions could be considered – ask!

**Timely completion:** There will be some points assigned to you for completing your work in a timely fashion. You will receive +1 timely completion point for getting at least 50% correct on an online homework assignment within one week of it being assigned. For written work grades, you must submit your first attempt at a problem by its due date and also get a score of E, S, or T on it to get the +1. Otherwise you receive +0 timely completion points for that submission. *Regardless if you attain the timely completion grade or not, you may still attempt all assignments as many times as you like.*

**Cheating:** I encourage you to work together, to attend tutoring, and to seek out help from me. However, copying the work of others and not putting in an honest effort yourself is not acceptable. If you are caught cheating on any assignments, then you will forfeit any points on that assignment with no possibility of revision. If you are caught cheating more than once, then you will receive an “F” in the course.

**Safety:** If you are attending class in-person then you must be wearing an appropriate face covering. Wearing a mask means that it entirely covers both your nose and mouth. Refusal to cooperate with this policy will result in removal from class and possibly referral to the Office of Student Conduct. In extreme situations, the campus police may need to be involved.

**Student handbook:** <http://www.fairmontstate.edu/publications/campushandbooks/studenthandbook/default.asp>

**Disability support:** 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).

**Grades:** There will be no more than 30 written homework assignments and no more than 25 online homework assignments. Probably there will be many fewer, but this cap will not be exceeded.

E	S	T	N
+2 written hw +1 timely	+1 written hw +1 timely	+0 written hw +1 timely	+0 written hw +0 timely

Grade	Written work	Homework percentage
A	≥90% of written work points	<b>and</b> ≥80% online homework score
B	≥80% of written work points	<b>and</b> ≥70% online homework score
C	≥70% of written work points	<b>and</b> ≥60% online homework score
D	≥60% of written work points	<b>and</b> ≥50% online homework score

*Timely completion points convert into written work points:*

5 timely completion points = 1 written work point

**IMPORTANT:** This conversion for timely completion can only increase your written work score by up to 10% of the total possible written work points. For example, this means that staying on top of your work could raise your final letter grade!

**Honors work:** As part of this class, you will learn how to typeset beautiful mathematics in L<sup>A</sup>T<sub>E</sub>X, the industry standard for mathematical and scientific writing. You will be asked to type up your written homeworks in this language after you are done revising your problems. Along with this, there will be extra “honors written homework” problems that will form more of your overall written homework score.

# Estimated Math 2501-001/002 Calendar Fall 2020

<b>Week</b>	<b>Sections</b>
17 Aug – 21 Aug	Ch.1 (review), 2.1, 2.2
24 Aug– 28 Aug	2.3, 2.4, 3.1
31 Aug – 4 Sep	3.2, 3.3
7 Sep – 11 Sep	3.4, 3.5
14 Sep – 18 Sep	3.6, 3.7
21 Sep – 25 Sep	3.8, 3.9
28 Sep – 2 Oct	4.1, 4.2
5 Oct – 9 Oct	4.3, 4.4
12 Oct – 16 Oct	4.5, 4.6
19 Oct – 23 Oct	4.7, 4.8
26 Oct – 30 Oct	4.9, 4.10
2 Nov – 6 Nov	5.1, 5.2
9 Nov – 13 Nov	5.3, 5.4
16 Nov – 20 Nov	5.5, 5.6, 5.7
21 Nov–25 Nov	<b><i>FINAL EXAMS</i></b>

subject to change as the semester progresses!!