

**Instructor:** Dr. Tom Cuchta (call me Tom)  
**Time:** MWF 11:00-11:50, R 11:00-11:50  
**Location:** MWF ET 310, R HH 305  
**E-mail:** tcuchta@fairmontstate.edu  
**Office hours:** My current office hours are posted on my website <http://tomcuchta.com>. They may change throughout the semester without notice. Alternative office hours may always be scheduled via e-mail.

**Office:** ET 423

**Class Webpage:** All assignments will be posted to our class webpage:  
<http://tomcuchta.com/teach/classes/2018/MATH-3503-Fall-2018-FairmontState/>  
 Your grades will be recorded in **Moodle**.

**Textbook:** "Calculus (Volume 3)" by OpenStax (**FREE** electronic version of textbook:  
<https://openstax.org/details/books/calculus-volume-3>)

**Course Description:** This course is a continuation of Math 2502. Topics include vectors, dot product, cross product, lines, planes, vector functions and their derivatives and integrals, the study of quadric surfaces, partial differentiation, gradient, and multiple integrals.

**(Pre/Co)requisites:** (MATH 3315 or MATH 2502) or (MATH 1186/1586 and MATH 1190/2501)

**Calculator policy:** Exams may have both calculator and non-calculator portions. You may only use the provided calculator on an exam, **not your own**.

**Attendance policy:** Every class meeting should be attended by the student in its entirety, but attendance itself will not be recorded for a grade. If a class is missed, it is the *student's responsibility* to find out what was missed and to pick up any returned work.

**Homework:** There will be numerous assignments that are regularly assigned. Assignments will be posted to the class webpage. Random problems from each assignment will be graded on a scale of 10 points. Completion may constitute part of a homework grade. Only the top 10 homework scores earned will count towards the final grade.

**Submitting homework:** Homework may be submitted in three ways:

1. in class
2. via e-mail (please scan as pdf, but photographs are ok)
3. folder on my office door (on MWF: **must** be in folder before I leave my office for my 8AM class to be considered on time)

**Late homework:** Homework is due *within 5 minutes of the start time of class on the day it is due* – homework submitted after this will be considered late. If homework is late, then the highest possible score you may receive on it will degrade according to the following table:

How late	Highest possible score
< 1 day late	8 points
[1, 2) days late	7 points
[2, 3) days late	6 points
[3, 4) days late	5 points
≥ 4 days late	4 points

**Quizzes:** There will be in-class quizzes that will count for a total of up to 50 points for your final grade. Quizzes may not be made up, *even for excused absences*, because there will be more than 50 possible points to earn on them.

**Exams:** There will be four one hour exams in this course each worth 100 points. See the calendar below for exam dates.

**Final exam:** The final exam will be comprehensive and will be worth 200 points.

**Make-up exam policy:** If an exam is to be missed due to an excused absence (as defined in the student handbook), then it is the *student's responsibility* to arrange an alternative time to take the exam at least one week before the exam is given. In such a case, the student will complete an equivalent exam at an alternate time *before* the normal exam time. If the student misses an exam due to an unexcused absence, the exam may be replaced with the percentage earned on the final exam. The unexcused absence policy applies *only once*, so further exams missed due to unexcused absences will yield a score of zero.

**Extra credit policy:** Extra credit opportunities may be available throughout the course and will be announced through the usual channels. Points earned through extra credit will be simply added to the final score earned by homework and exams.

		Grade	Point Range
Homework	100 points	A	$675 \leq \text{Points Earned} \leq 750$
Quizzes	50 points	B	$600 \leq \text{Points Earned} < 675$
Hour exams	400 points	C	$525 \leq \text{Points Earned} < 600$
Final exam	200 points	D	$450 \leq \text{Points Earned} < 525$
<b>Total points:</b>	750 points	F	$0 \leq \text{Points Earned} < 450$

**Grading policy:**

**Tutoring assistance:** See Fairmont State's tutoring services at <http://www.fairmontstate.edu/academics/tutoring-services>

See Pierpont's tutoring services at <https://pierpont.edu/ac/campuslife/support/tutoring>

**Academic integrity:** Fairmont State values highly the integrity of its student scholars. All students and faculty members are urged to share in the responsibility for removing every situation which might permit or encourage academic dishonesty. Cheating in any form, including plagiarism, must be considered a matter of the gravest concern. Cheating is defined here as:

- the obtaining of information during an examination;
- the unauthorized use of books, notes, or other sources of information prior to or during an examination;
- the removal of faculty examination materials;
- the alteration of documents or records; or
- actions identifiable as occurring with the intent to defraud or use under false pretense.

Plagiarism is defined here as the submission of the ideas, words (written or oral), or artistic productions of another, falsely represented as one's original effort or without giving due credit. Students and faculty should examine proper citation forms to avoid inadvertent plagiarism.

**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.

# Math 3503-001 Calendar Fall 2018

Week	Sections
13 Aug – 17 Aug	§1.1, §1.2, §1.3
20 Aug – 24 Aug	§2.1, §2.2, §2.3, §2.4
27 Aug – 31 Aug	§2.5, §2.6, §2.7
3 Sep – 7 Sep	<b>NO CLASS 3 September</b> (Labor Day) §3.1 <i>Review day</i> (6 September) <b>EXAM 1</b> (7 September)
10 Sep – 14 Sep	§3.2, §3.3, §3.4
17 Sep – 21 Sep	§4.1, §4.2, §4.3, §4.4
24 Sep – 28 Sep	§4.5, §4.6, §4.7, §4.8
1 Oct - 5 Oct	§5.1 <i>Review Day</i> (2 October) <b>EXAM 2</b> (4 October) <b>NO CLASS 5 October</b> (Fall Break)
8 Oct – 12 Oct	§5.2, §5.3
15 Oct – 19 Oct	§5.4, §5.5, §5.6
22 Oct – 26 Oct	§5.7 <i>Review Day</i> (25 October) <b>EXAM 3</b> (26 October)
29 Oct – 2 Nov	§6.1, §6.2, §6.3, §6.4
5 Nov – 9 Nov	§6.5, §6.6, §6.7, §6.8
12 Nov – 16 Nov	any catchup needed <i>Review day</i> (15 November) <b>EXAM 4</b> (16 November)
19 Nov – 23 Nov	<b>NO CLASS ALL WEEK</b> (Thanksgiving Break)
26 Nov – 30 Nov	<i>Review week</i>
3 Dec – 7 Dec	<b>FINAL EXAM</b> (***)