

- Instructor:** Dr. Tom Cuchta (call me Tom)  
**Time:** 10:00-10:50 MWF  
**Location:** HH 305  
**E-mail:** tcuchta@fairmontstate.edu  
**Open 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/2019/MATH-3504-Spring-2019-FairmontState/>  
Your grades will be recorded in **Moodle**.  
**Textbook:** "First Course in Differential Equations" by J. David Logan  
**Course Description:** A study of first-order and simple higher-order ordinary differential equations and their applications, linear differential equations with constant coefficients and their application, simultaneous differential equations and their applications, the numerical solution of differential equations and solution of differential equations by use of series.  
**(Pre/Co)requisites:** MATH 3315 or MATH 2502  
**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. 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 two ways:
  1. in class
  2. via e-mail (please scan as pdf, but photographs are ok)  
**Late homework:** Homework is due *within 15 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 days late	5 points

  
**Quizzes:** There will be regular quizzes that will count for a total of up to 50 points for your final grade. Quizzes will usually be due by the next class meeting. Quizzes may **not** be made up, *even for excused absences*, because there will be more than 50 possible points to earn.  
**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	
<b>Grading policy:</b>	Homework	100 points	A	$585 \leq \text{Points Earned} \leq 650$
	Quizzes	50 points	B	$520 \leq \text{Points Earned} < 585$
	Hour exams	300 points	C	$455 \leq \text{Points Earned} < 520$
	Final exam	200 points	D	$390 \leq \text{Points Earned} < 455$
	<b>Total points:</b>	650 points	F	$0 \leq \text{Points Earned} < 390$

**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>

**Student handbook:** <http://www.fairmontstate.edu/publications/campusandhandbooks/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 3504-001 Calendar Spring 2019

<b>Week</b>	<b>Sections</b>
14 Jan – 18 Jan	intro & overview, §1.1
21 Jan – 25 Jan	§1.2, §1.3 21 January: <b>NO CLASSES – MLK DAY</b>
28 Jan – 1 Feb	§1.4, §1.5, §2.1
4 Feb – 8 Feb	§2.2, §2.3
11 Feb – 15 Feb	§2.4 <i>Review Day</i> (13 February) <b>EXAM 1</b> (15 February)
18 Feb – 22 Feb	§3.1, §3.2, §3.3
25 Feb – 1 Mar	§3.4, §4.1, §4.2
4 Mar – 8 Mar	§4.3 <i>Review Day</i> (6 March) <b>EXAM 2</b> (8 March)
11 Mar – 15 Mar	<b>SPRING BREAK</b>
18 Mar – 22 Mar	§4.3, §4.4
25 Mar – 29 Mar	§4.5, §4.6
1 Apr – 5 Apr	§5.1, §5.2
8 Apr – 12 Apr	§5.3, §5.4
15 Apr – 19 Apr	<i>Review Day</i> (15 April) <b>EXAM 3</b> (17 April) <b>NO CLASSES – SPRING HOLIDAY</b> (19 April)
22 Apr – 26 Apr	§5.5, §6.2
29 Apr – 3 May	§6.2, §6.3 <i>Review Day</i> (3 May)
6 May – 10 May	<b>FINAL EXAM WEEK</b> <b>FINAL EXAM</b> (10 May at 8 AM)