



# Calculus I (honors)

Math 1190-02 || CRN: 8538 || Fall 2016

- Instructor:** Dr. Tom Cuchta (call me Tom)  
**Time:** MWF 9:00-9:50 and T 8:30-9:20  
**Location:** HH 305  
**E-mail:** tcuchta@fairmontstate.edu  
**Office hours:** My current office hours are posted on my website <http://tomcuchta.com>.  
Alternative office hours may also be scheduled via e-mail.  
**Office:** ET 423  
**Class Webpage:** All information will be posted to our class webpage:  
<http://tomcuchta.com/teach/classes/2016/MATH-1190-Fall-2016-FairmontState/>  
All information will also be replicated in the class Moodle page.  
**Textbook:** *Calculus, 10th Edition by Larson and Edwards || ISBN: 978-1285057095 or 1285057090*  
**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, related rate problems, the fundamental theorem of calculus, and applications of the definite integral.  
**Prerequisites:** PR: MATH ACT score of 25, or MATH SAT 570, or COMPASS 73, or MATH 1115 or MATH 1170 or MATH 1186.  
*Students without appropriate prerequisites will be dropped.*  
**Calculator policy:** Calculators may be needed for some homework problems. They will *not* be permitted for use on any exam.  
**Attendance policy:** Every class meeting should be attended by the student in its entirety, but attendance 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:** When homework is assigned, it will be announced in class, posted on the class webpage, and posted on Moodle. Only the top 10 scores from homework will contribute to the student's final grade.  
Homework will consist of book problems and sometimes additional problems that I write independently from the book. Homework will be graded as follows: each homework submission will be worth 10 points. I will randomly pick between two and four problems in each assignment to grade, but I will not tell you which ones will be graded in advance. I will also provide full solutions to all graded homework. Overall completion may contribute to the grade of an individual homework.  
**Exams:** There will be four one hour exams in this course each worth 100 points. See the calendar below for exam dates.  
**Honors:** The honors section will do some additional work that may include extra homework problems and/or special projects adding up to 100 points.  
**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 only applies *only once*, so further exams missed due to unexcused absences 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.

**Grading policy:**

		Grade	Point Range
Hour exams	400 points	A	$720 \leq \text{Points Earned} \leq 800$
Final exam	200 points	B	$640 \leq \text{Points Earned} < 720$
Homework	100 points	C	$560 \leq \text{Points Earned} < 640$
Honors	100 points	D	$480 \leq \text{Points Earned} < 560$
<b>Total points:</b>	800 points	F	$0 \leq \text{Points Earned} < 480$

- 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/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 1190-02 Calendar Fall 2016

Week	Material Covered
15 Aug – 19 Aug	§1.1, §1.2, §1.3
22 Aug – 26 Aug	§1.4, §1.5, §3.5
29 Aug – 2 Sept	§2.1, §2.2
5 Sept – 9 Sept	<b>NO CLASS</b> – Labor Day (5 September) Review day (7 September) <b>Exam 1</b> (9 September)
12 Sept – 16 Sept	§2.3, §2.4
19 Sept – 23 Sept	§2.5, §2.6
26 Sept – 30 Sept	§3.1, §3.2
3 Oct – 7 Oct	Review day (4 October) <b>Exam 2</b> (5 October) <b>NO CLASS</b> – Fall Holiday (7 October)
10 Oct – 14 Oct	§3.3, §3.4
17 Oct – 21 Oct	§3.6, §3.7, §4.1
24 Oct – 28 Oct	Review day (26 October) <b>Exam 3</b> (28 October)
31 Oct – 4 Nov	§4.2, §4.3
7 Nov – 11 Nov	§4.4, §4.5
14 Nov – 18 Nov	Review day (16 November) <b>Exam 4</b> (18 November)
21 Nov – 25 Nov	<b>THANKSGIVING BREAK</b>
28 Nov – 2 Dec	§7.1 Review day(s)
5 Dec – 9 Dec ( <b>Finals Week</b> )	<b>FINAL EXAM</b> occurs on