

Calculus I/Math 162 Syllabus

UNM-Valencia Campus

Fall 2017 meets MW 4:30-6:15p

Instructor: Clifton Murray, office A126A, Hours MW 3:15-4:15p, T 4:15-5:45p, Th, 11:45a-12:15p, 1:15-2:45p, 4:15-5:45p.
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Prerequisites: C or better in both Precalculus (Math 150) and Trigonometry (Math 123).

Required Materials:

Text: Thomas' Calculus 14th ed. by Weir & Hass—big, expensive, but good all the way thru Calc III at UNM-VC.

Calculator: A scientific graphing calculator is required, and will be useful on homework, in class, and on tests.

Student Learning Objectives: By the end of the course, the student should be able to explain and solve problems involving at least the following: (1)Limits; (2)the Derivative; (3)the derivative considered as a rate of change; (4)finding local extrema of functions and (5)optimization problems; (6)anti-derivatives ("integrals"); (7)differential equations solvable by integration; (8)estimating changes with differentials; (9)estimation with finite sums; (10)the fundamental theorem of calculus; (11)definite integrals; (12)finding the area between two curves

Academic Dishonesty, as defined in the UNM-VC catalog, includes copying work from other students. Anyone doing this on tests is subject to disciplinary action, ranging from “a reduced or failing grade for the work in question and/or the course” to “dismissal from the University”.

Disruptive Behavior is any behavior which interferes with other students' learning &/or with the instructor's ability to guide that learning. Examples include repeated loud talking/ laughing/chatting with your buddy which require repeated warnings from the instructor, or derisive/ridiculing comments toward other students or the instructor (the quickest way to get expelled from the class). Just keep your motives constructive, and it'll be a good educational experience.

Any *sexual misconduct* or gender discrimination brought to a faculty members' attention must, per UNM policy, be reported to the Office of Equal Opportunity and the Title IX Coordinator. For information re what comprises sexual misconduct, see <https://policy.unm.edu/university-policies/2000/2740.html>

Cell phones and similar devices: OFF at all times in the classroom. No text messaging while class is in session. No use of cell or smart-phones during tests; if a student temporarily leaves class during a test, she/he must leave phone with instructor.

Children in Class: Sorry, but children are not permitted in class due to liability concerns.

Disabilities: Should you have a disability requiring special accommodation, please bring the instructor appropriate documentation from Equal Access Services.

Homework Format: Homework problems should be clearly separated, either by whitespace (that means more space between main problems than within the problem), or by a separation line between main probs (not between subprobs a, b, c...). Turn homework in by *day*—not by section. That is, if sec 3.1 and 3.2 are presented on the same day, 3.1 and 3.2 should be grouped together—stapled—not separate.

Also, put the **main** prob #--5, 11, 21,...etc (**not** a,b,c...)—to the left of all other work. This is to help the instructor find and check the main problems fast. So, make the separation between main probs really clear.

Attendance: If a student does not appear the 1st two days of class, the instructor may drop that student. Otherwise, After 4 unexcused absences, the student may be dropped from the course without further notice.

Makeup Work: Tests: There are no makeup tests, except in verified emergencies—in such cases, expect a maximum score of 80%. (Early tests, on the other hand, Might can be arranged without penalty.)

Late Homework: 1 day late, minus 50%. 2 days late, zero credit.

Final Exam Minimum: 65%. Less will result in an automatic course grade of D or lower, regardless of other test or homework scores.

<i>Grading</i>	Max possible points
Homework	100
4 tests	400
Drop lowest one of tests or homework:	-100
Final Exam* (not dropped, comprehensive)	<u>150</u> *Again: <i>You must make 65% min, for course grade > D.</i>
	550 Max poss course total

Let total course score = x:

$532 \leq x \leq 550$	A+ (unless a test is missed or hmwk score < 50%)
$512 \leq x < 532$	A (unless a test is missed)
$495 \leq x < 512$	A-
$477 \leq x < 495$	B+
$457 \leq x < 477$	B
$440 \leq x < 457$	B-
$422 \leq x < 440$	C+
$402 \leq x < 422$	C
$385 \leq x < 402$	C-
$330 \leq x < 385$	D
$0 \leq x < 330$	F