

Calculus I/Math 162 Syllabus

UNM-Valencia Campus

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

Instructor: Clifton Murray, office A126A, Hours MW 3:15-4:15p, T 4:15-6:00p, Th, 11:45a-12:30p, 1:15-2:45p, 4:15-6:15p.
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Prerequisites: C or better in both Precalculus (Math 150) and Trigonometry (Math 123).

Required Materials:

Text: Thomas' Calculus 13th 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', Gas', or TAs' 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.

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 absolutely clear.

Attendance: 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