

Math 1522 **Calculus II Syllabus Fall 2023** Meets Mon & Wed 3:30-5:15p UNM-Valencia Campus

*Prerequisite:* C or better in Calculus I/Math 1512

Professor: Clifton Murray

Available Times MW 1:15-3:15p; T 4:15-5:15p; Th 11:45a-12:15p, 4:15-5:15p [wcmurray@unm.edu](mailto:wcmurray@unm.edu)

*Credit Hours:* Four, Live and In Person.. It is recommended that you plan for eight hours per week of outside study—homework, studying to understand the topics presented, study for tests—per week.

*Required Items:* Textbook: Calculus 11e, by Larson & Edwards  
Scientific Calculator; 2-D graphing type will occasionally be useful

*Attendance* will be taken. After four accumulated absences, the student may be dropped from the course. If you know you have work or other essential/unavoidable conflict, see the instructor to decide whether/how you can remain in the course.

*Student Learning Objectives (SLO's):* By the end of the course, the student should at least be able to do the following: Calculate derivatives and integrals of log, exponential, inverse trig, and hyperbolic functions; perform integration by parts, by partial fractions, and by trig substitutions when needed; evaluate improper integrals; solve 1<sup>st</sup> order linear differential equations, both separable and non-separable; expand and identify the  $n$ th term in infinite series; interpret and construct slope fields for the solution to a differential equation; apply tests for infinite series' convergence or divergence; perform Taylor series expansions of simple power functions; solve applied problems involving exponential growth and decay.

*Disabilities:* If you have a physical disability which could interfere with learning in an online environment, contact UNM-Valencia Student Services, telephone 505-925-8560, or <https://valencia.unm.edu/students/student-services.html>

*Academic dishonesty* as defined in the UNM-Valencia catalog includes copying work from other students or, by implication, having another student do the work for you. Any student found to have done this on tests or homework is subject to disciplinary action, ranging from a reduced or failing grade for the work &/or the course to dismissal from the University.

*Persistent disruptive behavior* which interferes with other students' education—such as loud, distracting talking, insulting classmates or the instructor, or other disruptive behavior-- will result in the offenders' being dropped from the course

Any *sexual misconduct or gender discrimination* observed by or reported to a UNM Faculty member, TA, or GA must be reported to the UNM Office of Equal Opportunity and the Title IX Coordinator. For information regarding what constitutes sexual misconduct, see <https://policy.unm.edu/university-policies/2000/2740.html>

*Homework assignments* are taken from textbook end-of-section exercises. The daily assignments are on the class calendar (separate from this document). Write out your work by hand. Group the problems as on calendar—that is, turn problems in grouped by the Day they are listed on the calendar—Not by section. When solving a problem, **clearly separate individual**

**main problems, with either whitespace or a bold line.** Make the main problem number super-**BIG**...like, #**3**, #**17**, #**23**<sub>a,b,c...</sub>(don't make the a,b,c...big.) This demarcation of each Main prob # helps me find the problems and score them fast, which I need to do—I score a lot of homework.

*Late or Missed Work:* Tests will occur during class time, as on our Calendar. No makeup tests.  
Homework: Late 1 class day: minus 50%. Late 2 class days: minus 100% (zero credit)

**Minimum Final Exam Score: If the score on the final exam is less than 70%, the student will receive a grade of D or less for the course, regardless of other test or homework scores.\*\***

Grading:

	Maximum possible points
4 tests, each worth 100 pts	400
Drop lowest test:	-100
Homework (not dropped)	100
Final exam (comprehensive, not dropped)	<u>150</u> ← ** (if < 70%, course grade is D or below)
	550 (max poss course total)

$536 \leq x \leq 550$	A+ (unless a test is missed, or homework score is less than 50%)
$509 \leq x < 536$	A (unless a test is missed)
$495 \leq x < 509$	A-
$481 \leq x < 495$	B+
$454 \leq x < 481$	B
$440 \leq x < 454$	B-
$426 \leq x < 440$	C+
$399 \leq x < 426$	C
$385 \leq x < 399$	C- * See note below re C-minus
$330 \leq x < 385$	D
$x < 330$	F

\* Be aware that a C-minus might not qualify you for a planned future course(s) or degree—for example, a C- in Calc II does not qualify you to enroll in Calc III (“a C-minus is not a C”). It is your responsibility to know what grades are required for your academic plans.

BTW Tutoring in Calculus is available, Free of charge, from UNM Valencia Campus Tutoring Services, located in the Library building. <https://valencia.unm.edu/campus-resources/learning-commons/index.html>