Grossmont College
Course Syllabus, Fall 2019

Subject Area and Course Number: Mathematics 281
Course Title: Intermediate Calculus   **Units:** 4.0
Class Meets: Tuesday, Thursday 5:00 - 6:50 P.M., room 55-524   **Section:** 3515
Instructor: Russell La Puma   **Office:** 36-341A
Web: http://www.grossmont.edu/people/russell-lapuma   **Office Hours:** TTh 3:00-4:00 PM
Voice mail: (619) 644-7000 x3663   **E-mail:** lapumath@gmail.com
WebAssign Class Key: gcccd 6370 7771

Prerequisite: A "C" grade or higher in MATH 280.

Course Description: Sequel to Mathematics 280. Includes vectors in two and three dimensions,
   partial differentiation, iterated integration, line and surface integrals, application of
   Green's and Stokes' theorems, work with cylindrical and spherical coordinates, and an
   introduction to linear algebra. Satisfies General Education for: Grossmont College A3;
   CSU B4; IGETC 2A. Transfers to: CSU, UC.

Student Learning Outcomes:
   • A student will be able to use rectangular, polar, parametric, cylindrical and spherical
   coordinates to solve a variety of integrals and associated application problems.
   • A student will be able to analyze, graph and solve equations related to multi-variable
   functions.
   • A student will be able to evaluate, interpret and apply higher order partial derivatives.
   • A student will be able to analyze and interpret physical examples of vector fields and
   vector functions.

Evaluation: There will be four tests and a final examination. To avoid the need for make-up
   tests, the score of any missed test will be dropped and the remaining tests and final will
   be given extra weight. There will be no make-up tests or quizzes. There will be short
   quizzes tentatively scheduled for every other class meeting, with the lowest two quiz
   scores dropped. Homework will be done either on line using WebAssign, or from the
   textbook. The final grade will be determined as 98-100% A+, 92-98% A, 90-92% A-,
   88-90% B+, 82-88% B, 80-82% B-, 78-80% C+, 70-78% C, 60-70% D, with the
   following weights in effect:

Homework	10%	
Quizzes	10%	
Tests, best three @	18%	each
Test, worst	6%	
Final	20%	

Final Examination: A comprehensive final exam will be given Monday, December 10, 6:05 PM
   to 8:05 PM in room 55-524.

Text and Supplies: *Multivariable Calculus,* 8th Ed., James Stewart, ISBN: 978-1-305-26664-3.
   WebAssign access, Cengage Learning.

   A Graphing Calculator will help you successfully complete this course. The Mathematics
   Department has agreed to use the TI-83 or TI-84 Graphing Calculator in class; therefore,
   the TI-83 or TI-84 is highly recommended for this course. You will be allowed to use a
   calculator on any test unless otherwise directed. A calculator with computer algebra
   system capability (like the TI-89/92) *may* be prohibited on exams.

Attendance Requirements: A student accumulating an excessive number of unexcused absences (four or more class meetings) may be dropped by the instructor. The withdrawal deadline is **November 10**. Any student still enrolled in the course after that date cannot receive a "W." It is the student's responsibility to add, drop, or withdraw from classes before the deadlines stated in the class schedule. Please discuss your plans to withdraw from the class with your instructors. They may have other options for you that allow you to continue in class.

Tardiness: Class begins at the set hour. It is understood that tardiness is unavoidable on rare occasions, but chronic tardiness disrupts the learning environment. Likewise, should a student need to leave early, they should notify their instructor, but should otherwise stay until the end of the class session. If the instructor is twenty minutes late, students may leave after signing an attendance sheet.

Classroom Behavior and Student Code of Conduct: Students are expected to respect and obey standards of student conduct while in class and on campus. The student Code of Conduct, can be found in the current college catalog. Under most circumstances, food, beverages, and phones, are unnecessary and unwelcome in the classroom.

Academic Integrity: Cheating and plagiarism (using as one's own ideas, writings or materials of someone else without acknowledgment or permission) can result in any one of a variety of sanctions. Such penalties may range from an adjusted grade on the particular exam, paper, project, or assignment to a failing grade in the course. The instructor may also summarily suspend the student for the class meeting when the infraction occurs, as well as the following class meeting. For further clarification and information on these issues, please consult with your instructor or contact the office of the Assistant Dean of Student Affairs.

Accommodation of Disability: Students with disabilities who may need accommodations are encouraged to notify their instructor and contact the Accessibility Resource Center (A.R.C.) *early in the semester* so that reasonable accommodations may be implemented as soon as possible. Students may contact the A.R.C. in person in building 60, room 120 or by telephone at (619) 644-7112 (voice) or (877) 561-8975 (video phone for deaf).

Math 281 – La Puma – Fall 2019

week	Tue		Thu	
1	Aug 20	introduction 12.1	Aug 22	12.2 12.3
2	Aug 27	12.4 12.5	Aug 29	12.5 12.6
3	Sep 3	13.1 13.2	Sep 5	13.3 13.4
4	Sep 10	14.1 14.2	Sep 12	14.3 14.4
5	Sep 17	**Test 1**	Sep 20	14.5
6	Sep 24	14.6 14.7	Sep 26	14.7 14.8
7	Oct 1	14.8 15.1	Oct 3	15.1
8	Oct 8	15.2 15.3	Oct 10	**Test 2**
9	Oct 15	15.4 15.6	Oct 17	15.7
10	Oct 22	15.8 15.9	Oct 24	15.9 16.1
11	Oct 29	16.5 16.2	Oct 31	16.2 16.3
12	Nov 5	**Test 3**	Nov 7	16.3 *Withdrawal deadline 11/10*
13	Nov 12	16.4 16.6	Nov 14	16.7
14	Nov 19	16.8 16.9	Nov 21	**Test 4**
15	Nov 26	16.9 16.10	Nov 28	*Thanksgiving Day*
16	Dec 3	16.10 catch up	Dec 5	review
finals	Dec 10	**Final** *6:05-8:05 pm*	Dec 12	*no class*

Schedule subject to change with prior notice.