

Math 291: Calculus and Analytic Geometry III

MWF 2:30-3:20, SH110

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Office: WH219

Office Hours: MW 11:30-12:30 and by appointment

Prerequisite: Grade C or better in Math 192G.

Text: *Calculus: Early Transcendentals, Second Edition*, Jon Rogawski, Freeman, 2012.

Content: The course covers Chapters 12 through 15 and part of Chapters 16 and 17 of the text. It starts with vectors and analytic geometry in space and then moves to calculus of vector functions, which is presented as a natural extension of one-variable calculus. The core parts of the course are devoted to techniques and applications of partial derivatives and multiple integrals with special attention paid to their geometric and physical meaning and significance. At the end of the course we will introduce line integrals and vector fields and conclude with Green's Theorem.

Grades: I will use the standard grading scheme: 90% and higher is an A, 80%-89.9% is a B, 70%-79.9% is a C, 60-69.9% is a D, 59.9% and lower is an F. If the last two digits of your score are between 0.0-3.3 you will get a “-” next to your grade, and if the last two digits are between 6.7-9.9 you will get a “+” next to your grade. Your grades will consist of five components: readiness test (5%), online homework (15%), in class quizzes (20%), two midterms (15% each for a total of 30%), and a cumulative final exam (30%). Each of these is explained below:

Readiness test: The readiness test will be held in class on Friday, January 22. You will not be allowed to use anything except a writing utensil. The readiness test is absolutely required in order to get a passing grade in the course, and the same rules regarding excuses apply as for the midterms (see below).

Online homework: This class will use Webassign for regular homework assignments (see below for a brief explanation of how to use Webassign). There will be homework assigned and due almost every day that we have class. Assignments will always be due one week after they are assigned. You should plan on spending approximately 30-45 minutes on each assignment.

Quizzes: In addition to the homework on Webassign I will also provide a list of exercises from the book each week (these lists will be available on Canvas). There will be regular quizzes which will be based on these problem sets (you should expect one or two quizzes per week). The quizzes will be open notes, but no other resources are allowed (e.g. calculators, textbook, phones, computers, etc.). MAKE UP QUIZZES WILL NOT BE GIVEN UNDER ANY CIRCUMSTANCES, however in order to make this fair your THREE LOWEST QUIZ SCORES WILL BE DROPPED.

Midterms: There will be two midterm exams. The first will be on Wednesday, March 2, and the

second will be on Wednesday, April 20. At least part of a lecture before each test will serve as a review session. No calculators will be allowed on any tests, however you are allowed to have one piece of regular sized (8.5×11 in.) paper with as much as you can fit on it. This sheet cannot have any worked problems on it, and you must turn it in with the exam with your name on it.

The university only recognizes two forms of excused absences: those for participation in a university sponsored event (such as athletic events), and those documented through Student Accessibility Services (see below). Aside from these two it is completely up to the instructor to decide what constitutes an acceptable excuse. If you will not be able to make it to an exam then you should contact me as soon as possible to let me know and see if I find your excuse acceptable. **IF YOU HAVE NOT CONTACTED ME BEFORE THE EXAM STARTS THEN YOU WILL NOT BE EXCUSED.** If you have more than 3 unexcused absences since the last exam then you will not be excused for any reason.

Any student caught using a cell phone or any other device during an exam will be asked to hand that device over to the instructor (who will then hand it over to the appropriate authorities). If the student refuses to do so they will receive a 0 on the test.

If you receive a score of less than 25% on any exam then you need to contact me within one week to schedule a meeting. If you fail to do so then all points you have earned since the previous exam will be set to 0. Again, to avoid having this happen you just need to come and have a conversation with me so I can try to help you figure out what you need to do to succeed in this course. If your score is 25% or higher on any exam (including the final) then you will receive 2 points of extra credit for each question where you do not write anything wrong.

Final exam: There will be a cumulative final exam at the end of the course. All sections of Math 291 will take the same final exam at the same time, which is 3:30-5:30 on Tuesday, May 10. The date and time of the final are fixed by the university and cannot be changed. The rules for the final are the same as the midterms. If your score on the final exam is below 25% you will receive a grade of F in the course, regardless of your previous scores.

Extra credit: Aside from the possibility of a little bit of extra credit on the exams there will be no extra credit in this class.

Office hours: The main purpose of office hours is for students to ask questions about the material we are covering in class, and usually about specific homework problems. Of course, if you have questions or concerns about my class policies then you are welcome to come to my office and I will be more than happy to address these issues. However, if you are requesting that I violate one of my policies for you and I deny your request and I ask you to leave then you need to leave. If you refuse to leave then I will call the campus police to have you removed. If you create a situation where the police need to get involved then you will receive a grade of F in the course.

Webassign: Initially you need to go to <http://www.webassign.net> and click the “I have a class key” under STUDENTS. The class key for this section is **nmsu 8424 6234**. Upon entering this key, follow the instructions that come up. At some point you will be asked for an access code. Depending on where you bought your textbook, it might come bundled with a Web Assign access code. Otherwise you can purchase the access code. If you are not enrolled in the correct section then I will not record your web assign score.

Canvas: Announcements, grading, and coursework files will be communicated to you through Canvas. Access your Canvas account regularly at <https://learn.nmsu.edu/>.

Academic misconduct: The university has very strict policies about academic misconduct. You are encouraged to familiarize yourself with these policies: <http://studenthandbook.nmsu.edu/student-code-of-conduct/academic-misconduct/>

Attendance The following is from the universities policy on attendance, you can find the rest at <http://nmsu.smartcatalogiq.com/2014-2015/Undergraduate-Catalog/General-Information/Regulations/Attendance-and-Student-Performance>

When the number of absences hinders a students progress in a course, the instructor may initiate a statement of the students excessive absences including a recommendation of retention or expulsion from the class. Based on the recommendation of the instructor and with the concurrence of the course department head and the students academic dean, a student will be dropped for persistent absences or for persistent failure to complete assignments. Similarly, a student may also be dropped from a class for engaging in behavior that interferes with the educational environment of the class. Any student who has been dropped from a class shall have the right to appeal that decision through the Student Academic Grievance Policy.

Withdrawals and Incompletes: You have the primary responsibility for withdrawing from the course. The last date to drop with a “W” is March 28. Under University policy, an I grade is allowed only if a student has passed the first half of the course, and is precluded from completion of the second half of the course by a documented illness or family crisis.

Disabilities: Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act Amendments Act (ADAAA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact:

Trudy Luken, Director
Student Accessibility Services (SAS) - Corbett Center, Rm. 208
Phone: (575) 646-6840 E-mail: sas@nmsu.edu
Website: <http://sas.nmsu.edu/>

Discrimination NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status.

Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation.

For more information on discrimination issues, Title IX, Campus SaVE Act, NMSU Policy Chapter 3.25, NMSU’s complaint process, or to file a complaint contact:

Gerard Nevarez, Title IX Coordinator
Agustin Diaz, Title IX Deputy Coordinator
Office of Institutional Equity (OIE) - O’Loughlin House, 1130 University Avenue
Phone: (575) 646-3635 E-mail: equity@nmsu.edu
Website: <http://www.nmsu.edu/~eeo/>