

Meetings: MWF 12:30-1:20 in Science Hall 106 Lab: F 11:30 – 12:20 in Science Hall 108

Instructor: Dr. Amal mostafa (C. Professor)
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Office hours: Mondays 9:00 – 10:30 am and Tuesdays 12:00– 1:30 pm

Office phone: (575) 646-4118

Prerequisite: C or better in Math 190G

Textbook: *Calculus, Early Transcendentals*, 3rd edition, by Jon Rogawski, Freeman.

Canvas: Material for the course will be posted on Canvas (to access the Canvas course web page follow the link <https://learn.nmsu.edu> and log in using your myNMSU username and password)

Undergraduate Catalog Description: Limits and continuity, theory and computation of derivatives, applications of derivatives, extreme values, critical points, derivative tests, L'Hopital's Rule.

Course Objectives: “The goals are to present the concepts of calculus, stressing techniques, applications, and problem solving, and emphasizing numerical aspects such as approximations and order of magnitude. Overall, the goals are to illustrate the power of calculus as a tool for modeling situations arising in physics, science, engineering and other fields. In fulfillment of these goals, this and later courses will stress topics such as polynomial approximation, setting up integrals, as well as the use of appropriate technology”

Readiness Exam: There will be a readiness at the beginning of this semester. It tests the prerequisite knowledge and skills for Math 191G. It counts as 3% of your final grade. You will take the exam in the Math Testing Center (Walde Hall 101) at your convenience during the hours 9am to 7pm, Monday 1/25 through Wednesday 1/27. Please note that the exam is NOT available before 1/25. You will need to pick up a blue scantron form, either from ASNMSU in corbet Center, or purchase the form from the Testing Center window in Walden Hall). The Testing Center sells these at \$0.15 a piece or two for \$0.25; you will need one of these forms also at the final exam.)

Online Homework Assignments: Your homework grade will be determined by online homework administered through a website called WebAssign. Initially, you need to go to <http://www.webassign.net> and click the “I have a class key” link. The class key for this section is **nmsu 9568 0905**

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 WebAssign access code. Otherwise, as indicated on the screens that came up when you entered the class key, you can buy the access code online. After you have done all this once, in order to access the homework assignments, you need only to log in at <http://www.webassign.net>

Lab Homework: The main component of your Lab Homework grade will be participation, so attendance will be taken and count for about 20% of the lab grade. The rest of the grade will be based on your performance on quizzes.

Group Work: You will divide yourselves into groups of three or four students, which we will try to keep stable throughout the semester. If necessary, I will establish a calculus dating service, so that everyone can find at least two partners. At various times during classes the lecturing will stop and you will work together on a problem or on an experiment. Most of the time you will take the work away to put on the finishing touches and submit later. It is known that one of the best ways to check your understanding of a topic is to try to explain it to someone else. Another point of some of these exercises is to help you develop an analytical, mathematical way of thinking.

This doesn't happen overnight, but it is an important skill to have, if you plan on working in a problem-solving profession. We will have a number of small assignments to get you used to this way of working. There will be three "higher-stakes" group assignments. These will be based on problems from the text, and each will require a write-up. These account for 100% of the Group Work points. On the second and third assignments you will also fill out peer-rating sheets.

Extra Help: It is best to come to office hours or make an appointment when you have trouble. But the department also provides assistance from graduate students in WH 101. A schedule will be placed on the door of that room.

Evening Midterm Tests: There will be two common midterm exams. They will be given in the evening **from 7:00 to 8:30 pm on Thursday, March 3 and Thursday, April 21.** The location for each exam will be announced later. Note that all sections of this course meet at these scheduled exam times

You are expected to take the Thursday evening exams at the times listed above unless you have a legitimate reason to miss. The only allowed excuses for a makeup are documented illnesses or university sponsored events. A scheduled makeup of each exam will be held from 4:00 to 5:30 pm on the Friday following each regularly scheduled Thursday evening exam: March 4 and April 22. In general, students who miss the Thursday exams for excusable reasons will be expected to attend the Friday makeup time

You must inform your instructor as soon as you know you will have difficulty attending a scheduled exam. Except in the case of a genuine emergency, this should occur BEFORE the exam is given. Permission to take the makeup exam is NOT automatic, and students who need to do so must make arrangements ahead of time. Once an exam is graded and returned, it cannot be made up under any circumstances

On each test, calculators **will not be allowed.** Please keep this in mind when doing homework problems

Cell Phones are not allowed on exams, and if visible, will be confiscated along with the exam.

Cumulative Final Examination: The common Final Exam is scheduled for **Tuesday, May 10 from 3:30 to 5:30 pm.** The location for the exam will be announced later. Calculators **will not be allowed**

Grading:

Departmental Readiness Exam	3%
On-line Homework	10%
Lab work (Quizzes)	12%
Group work	10%
Midterm Tests (20% each)	40%
Final Exam	25%

Letter grade cutoffs are the standard 90-80-70-60 for A-B-C-D grades

Course Content: We will cover selected sections from the first four chapters of the textbook. The tentative calendar for the course is as follows:

Week of	Sections
1/18	Chapter 1
1/25	2.1, 2.2, 2.3
2/1	2.3, 2.4, 2.5
2/8	2.6, 2.7, 2.8
2/15	3.1, 3.2, 3.3
2/22	3.3, 3.4, 3.5
2/29	3.5, Review, 3.6
3/7	3.6, 3.7
3/14	Spring break
3/21	3.8
3/28	3.9, 3.10
4/4	4.1, 4.2
4/11	4.3, 4.4
4/18	4.5, Review, 4.6
4/25	4.6, 4.7
5/2	4.8, Review
5/10	Final Exam

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

Important Notes:

- You are expected to attend every class and show up on time.
- Announcements and grading will be communicated to you through Canvas. Access your Canvas account regularly.
- At the end of the final examination, the course is over, and there are no more opportunities to submit additional work.
- I will not compose extra credit assignments for students who want to try to compensate for poor results in another component of the course.

Academic Misconduct: The rules listed in the section *Academic Misconduct* at the following web address

<http://deanofstudents.nmsu.edu/student-handbook/> are official policy of NMSU (see also

<http://nmsu.smartcatalogiq.com/en/2014-2015/Undergraduate-Catalog/General-Information/Regulations/OUTCOMES-ASSESSMENT-Evaluating-Your-Academic-Experience/Academic-Misconduct>). In particular, both intentional and unintentional plagiarism is prohibited (Plagiarism is using another person's work without acknowledgment, making it appear to be one's own. The NMSU Library has more information and help on how to avoid plagiarism at

<http://lib.nmsu.edu/plagiarism/students.shtml>) Should any student infringe on any of these resolutions, the instructor reserves the right to initiate a statement of the student misconduct including a recommendation of expulsion from the class

Student with Disabilities and Discrimination: 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/>

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/>

Other NMSU Resources:

NMSU Police Department:	(575) 646-3311	www.nmsupolice.com
NMSU Police Victim Services:	(575) 646-3424	
NMSU Counseling Center:	(575) 646-2731	
NMSU Dean of Students:	(575) 646-1722	
For Any On-campus Emergencies:	911	