

Math 192G: Calculus and Analytic Geometry II, Section 1, Spring 2019

Meetings: MW 10:30–11:45 in SH 116, F 11:30–12:20 in SH 109

Instructor: Guram Bezhanishvili

Email: guram@nmsu.edu

Office: SH 245

Phone: 646–2837

Office Hours: MW 14:45–16:10 and by appointment

Teaching Assistant: Atiqur Chowdhury

Email: smatigc@nmsu.edu

Office: WH 32

Office Hours: W 12:30–13:20

Prerequisite: C or better in Math 191

Textbook: *Calculus, Early Transcendentals*, Third Edition, by Jon Rogawski and Colin Adams, Freeman, 2015.

Catalog Description: Riemann sums, the definite integral, antiderivatives, fundamental theorems, techniques of integration, applications of integrals, improper integrals, Taylor polynomials, sequences and series, power series and Taylor series.

Grades:

Homework	10%
Quizzes	20%
Exam 1	20%
Exam 2	20%
Final Exam	30%

Letter grade cutoffs:

A: 100—89 B: 88—77 C: 76—65 D: 64—53 F: less than 53

Homework: 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 4659 0129

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 log in at

<http://www.webassign.net>

The online homework assignments and their due dates will be listed on your WebAssign home page. Note that if you bought your text for Math 191 and used the bundled access code, then you have to buy another code.

Quizzes: There will be roughly 10 to 12 quizzes. They will be given on Fridays, during the last 25 minutes of your lab session. The problems will be similar to class examples and homework. I will drop your two lowest quiz scores. **You will not be allowed to use electronic devices on the quizzes.**

Exams: There will be a total of three common exams, including the final. The first two exams will be given in the evening from **7:00–8:30 PM** on **Thursday, February 21** and **Thursday, April 11**. The comprehensive final exam will be held on **Tuesday, May 7, 3:30–5:30**. The location for each exam will be announced later. Note that all sections of this course meet at these scheduled exam times. **The use of electronic devices on the exams is prohibited.**

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 **4:00-5:30** on the Friday following each regularly scheduled Thursday evening exam: **February 22** and **April 12**. In general, students who miss the Thursday exams for excusable reasons will be expected to attend the Friday makeup time.

You must inform me 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.

Electronic Devices: It is department policy having an exposed electronic device such as a cell phone, tablet, computer, etc, during a test, exam, or quiz will result in an automatic zero on the test, exam, or quiz. Exposed electronic devices include ones on desks, in pockets, etc. They do not include ones in sealed backpacks or purses, etc.

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.

Course Content: We will cover portions of chapters 5, 6, 7, 8, and 10 of the textbook. Below is a rough calendar of the course.

Week of	Sections	Topics
1/21	5.1, 5.2	Martin Luther King Day (1/21) , Definite integral
1/28	5.3, 5.4	Indefinite integral, Fundamental Theorem of Calculus I
2/4	5.5, 5.6	Fundamental Theorem of Calculus II, net or total change
2/11	5.7, 5.8, 6.1	Substitution, transcendental functions, applications of integrals: area
2/18	6.2, Review	Applications of integrals: volume, average value, EXAM 1
2/25	6.3, 6.4	Volumes of revolution, shells
3/4	7.1, 7.2	Integration by parts, trigonometric integrals
3/11	7.2, 7.3	Trigonometric integrals, trigonometric substitution
3/18	7.7, 7.9	Improper integrals, numerical integration
3/25		Spring break
4/1	8.4, 10.1	Taylor polynomials, sequences
4/8	10.2, Review	Infinite series, EXAM 2
4/15	10.3–10.5	Convergence tests, Spring holiday (4/19)
4/22	10.5, 10.6	Convergence tests, power series
4/29	10.7, Review	Taylor series
5/6		FINAL EXAM

Withdrawals and Incompletes: You have the primary responsibility for withdrawing from the course. **The last date to drop with a “W” is Friday, March 15.** Under university policy, the grade of **I** (incomplete) is given for passable work that could not be completed due to circumstances beyond the student’s control. The **I** grade should not be used to avoid a student receiving a **D** or **F** grade.

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 and non-academic misconduct: The Student Code of Conduct defines academic misconduct, non-academic misconduct and the consequences or penalties for each. The Student Code of Conduct is available in the NMSU Student Handbook online:

<http://studenthandbook.nmsu.edu/>

Academic misconduct is explained here:

<http://studenthandbook.nmsu.edu/student-code-of-conduct/academic-misconduct/>

Discrimination and Disability Accommodation: Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act Amendments Act (ADA) 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:

Main Campus

Student Accessibility Services (SAS)
Corbett Center Student Union Room 208
Trudy Luken, Director
575-646-6840
sas@nmsu.edu

New Mexico State University, in compliance with applicable laws and in furtherance of its commitment to fostering an environment that welcomes and embraces diversity, does not discriminate on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex (including pregnancy), sexual orientation, spousal affiliation, or protected veteran status in its programs and activities, including employment, admissions, and educational programs and activities.

Title IX prohibits sex harassment, sexual assault, intimate partner violence, stalking and retaliation. For more information on discrimination or Title IX, or to file a complaint contact:

Laura Castille, Executive Director and Title IX Coordinator
Office of Institutional Equity (OIE) - O'Loughlin House, 1130 University Avenue
Phone: (575) 646-3635 E-mail: equity@nmsu.edu
Website: <http://equity.nmsu.edu/>

Other NMSU Resources:

NMSU Police Department:	(575) 646-3311	<u>www.nmsupolice.com</u>
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	