

Math 192G: Calculus and Analytic Geometry II, Section M05

Spring 2017

Meetings: Lecture: TR 8:55-10:10 in SH 108, Lab: M 08:30-09:20am in SH 114

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Office Hours: M 2:45-3:45pm, R 10:15-11:15am, and by appointment

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Office: WH 028

Office Hours: MW 10:25–11:25am

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.

Policy about electronic devices: It is department policy that 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.

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 9489 3865

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.

Readiness Exam: There will be a readiness exam at the beginning of this semester, taken in the first lab, Monday, January 23. It tests the prerequisite knowledge and skills for Math 192G. It counts as 3% toward the final grade.

Quizzes: There will be roughly 10 quizzes taken in the lab section on Mondays. The first one will be given on Monday, January 30. 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 calculators or any other electronic or non-electronic devices on the quizzes.

There is no makeup for quizzes unless there is a documented legit excuse, at the discretion of the instructor, and you should inform the instructor before the quiz, unless it is a genuine emergency. Once the solution of a quiz is posted online, or a quiz is graded and returned, usually on the following Thursday afternoon, it can not be made up under any circumstances.

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.

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, March 02** and **Thursday, April 20**. The comprehensive final exam will be held on **Tuesday, May 09, 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. You will not be allowed to use calculators or any other electronic or non-electronic devices.

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. 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.

Grades:

Readiness Exam	3%
Homework	10%
Quizzes	20%
Exam 1	20%
Exam 2	20%
Final Exam	27%

Letter grade cutoffs: A: 89-100 B: 77-88 C: 65-76 D: 53-64 F: <53

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
Jan 19	5.1	definite integrals
Jan 24, 26	5.1, 5.2, 5.3	Definite and indefinite integrals
Jan 31, Feb 02	5.4, 5.5	Fundamental Theorem of Calculus
Feb 07, 09	5.6-5.8	Net or total change, substitution, further transcendental functions
Feb 14, 16	6.1, 6.2	Applications of integrals
Feb 21, 23	6.2–6.4	Volume, Volumes of revolution, shells
Feb 28, Mar 02	6.5, Review	Work and energy, EXAM 1: Thur March 02 (7:00-8:30 pm)
Mar 07, 09	6.5, 7.1	Work and Energy, integration by parts
Mar 14, 16	7.1–7.3	Integration by parts, trigonometric integrals, trigonometric substitutions

		Spring Break
Mar 28, 30	7.7, 7.9	Improper integrals, numerical integration
Apr 04, 06	8.4, 10.1	Taylor polynomials, sequences
Apr 11, 13	10.1, 10.2	Sequences, infinite series
Apr 18, 20	10.3, Review	Convergence tests, EXAM 2: Thur April 20 (7:00-8:30 pm)
Apr 25, 27	10.3–10.6	Convergence tests, power series
May 02, 04	10.7, Review	Taylor Series
May 09		FINAL EXAM: Tue May 09 (3:30-5:30 pm)

Withdrawals and Incompletes: You have the primary responsibility for withdrawing from the course. **The last date to drop with a “W” is Friday March 17.** 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.

Plagiarism: Plagiarism is using another person's work without acknowledgment, making it appear to be one's own. Intentional and unintentional instances of plagiarism are considered instances of academic misconduct and are subject to disciplinary action such as failure on the assignment, failure of the course or dismissal from the university. The NMSU Library has more information and help on how to avoid plagiarism at <http://lib.nmsu.edu/plagiarism/>

Disabilities and Discrimination: Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) cover 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
 Student Accessibility Services (SAS) - Corbett Center, Rm. 244
 Phone: 646.6840 E-mail: sas@nmsu.edu
 Website: www.nmsu.edu/~ssd/

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 harassment and retaliation. For more information on discrimination issues, Title IX or NMSU's complaint process contact:

Gerard Nevarez or Agustin Diaz
 Office of Institutional Equity (OIE) - O'Loughlin House
 Phone: 646.3635 E-mail: equity@nmsu.edu
 Website: <http://www.nmsu.edu/~eeo/>