

Math 192G: Calculus and Analytic Geometry II, Section 04 & 05, Fall 2013

(updated Aug 30, 2013)

Meetings: Section 04: TR 08:55-10:10 in SH 109, W 09:30-10:20 in SH 109
Section 05: TR 10:20-11:35 in SH 108, F 09:30-10:20 in SH 109

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Office Hours: MW 10:30-11:20, T 2:10-3:00 and by appointment

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Office: WH 042

Office Hours: Thursday 15:30-16:20 and by appointment

Prerequisite: C or better in Math 191

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

Catalog Description: Riemann sums, the definite integral, anti-derivatives, fundamental theorems, use of integral tables, numerical integration, modeling, improper integrals, differential equations, series, Taylor polynomials.

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

Section 04: **nmsu 2656 2348**

Section 05: **nmsu 4360 7885**

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 quizzes and the first one will be given the week of September 2. 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 on the quizzes.

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, October 3** and **Thursday, November 14**. The comprehensive final exam will be held on **Tuesday, December 10, 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 calculators 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: **October 4** and **November 15**. 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:

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

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
8/26	5.1, 5.2, 4.9	Definite integrals, antiderivatives
9/2	5.3, 5.4	Labor Day (9/2), Fundamental Theorem of Calculus
9/9	5.5–5.7	Net or total change, substitution
9/16	6.1, 6.2	Applications of integrals
9/23	6.2–6.4	Volume, volumes of revolution, shells
9/30	Review, 6.5	Work and energy, EXAM 1
10/7	6.5, 7.1	Work and energy, integration by parts
10/14	7.1–7.3	Integration by parts, trigonometric integrals, trigonometric substitution
10/21	7.6, 7.8	Improper integrals, numerical integration
10/28	8.2, 8.4	Fluid pressure and force, Taylor polynomials
11/4	8.4, 10.1	Taylor polynomials, sequences
11/11	Review, 10.2	Infinite series, EXAM 2
11/18		Infinite series, convergence tests, power series
11/25	10.2–10.6	Thanksgiving holiday
12/2	10.7, review	Taylor Series
12/9		FINAL EXAM

Withdrawals and Incompletes: You have the primary responsibility for withdrawing from the course. **The last date to drop with a “W” is Tuesday, October 16th.** 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/

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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/>