Math 192G: Calculus and Analytic Geometry II, Section 01
Fall 2016

Meetings: Lecture: TR 1:10-2:25 in SH 108, Lab: W 1:30-2:20 pm in SH 108

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Office Hours: M 2:00-3:00pm, F 9:00-10:00am, and by appointment

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Office: WH 028
Office Hours: W 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.

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 3862 6388
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, Wednesday, Aug 24. 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 Wednesdays. The first one will be given on Wednesday, August 31. 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.

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, September 29** and **Thursday, November 10**. The comprehensive final exam will be held on **Tuesday, December 6, 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: September 30 and November 11. 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
08/22	5.1, 5.2, 5.3	Definite and indefinite integrals
08/29	5.4, 5.5	Fundamental Theorem of Calculus
09/05	5.6-5.8	Labor Day (9/5) Net or total change, substitution, further transcendental functions
09/12	6.1, 6.2	Applications of integrals

09/19	6.2–6.4	Volume, Volumes of revolution, shells
09/26	6.5, Review	Work and energy, EXAM 1 (7:00-8:30 pm)
10/03	6.5, 7.1	Work and Energy, integration by parts
10/10	7.1–7.3	Integration by parts, trigonometric integrals, trigonometric substitutions
10/17	7.7, 7.9	Improper integrals, numerical integration
10/24	8.4, 10.1	Taylor polynomials, sequences
10/31	10.1, 10.2	Sequences, infinite series
11/07	10.3, Review	Convergence tests, EXAM 2 (7:00-8:30 pm)
11/14	10.3–10.6	Convergence tests, power series
11/21		Thanksgiving holiday
11/28	10.7, Review	Taylor Series
12/05		FINAL EXAM (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 Tuesday, October 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/