Instructor: Will Grodzicki  
Email: grodz007@umn.edu  
Office: 454 Vincent Hall  
Office Hours: M: 1:15-3:15/W: 12:20-1:20  
Textbook: Calculus: Early Transcendentals, Volume 1, 8th edition, James Stewart  
TA Office Hours:
- Yunpeng Shi (VinH 426) T: 10:00-11:40/Th: 1:30-3:10

Course Content: This course will include, but is not limited to, the following topics: Techniques of integration (including integration by parts, trig substitutions, and partial fractions), improper integrals, arc length, area of a surface of revolution, separable differential equations, Euler’s method, exponential growth and decay, parametric curves and polar coordinates, review of conic sections, sequences and series (including comparison and ratio tests, and Taylor series and polynomials), vectors in three dimensions (including the dot product, cross product, lines, planes, cylinders, and quadric surfaces), and cylindrical and spherical coordinates.

Prerequisites: Math 1271 or equivalent with grade of at least C-.

Course Assessments: The final exam will be on Monday, May 8. It will start at 1:30 pm and end at 4:30 pm in a location to be determined later in the semester. There will be three 50-minute-long midterm exams administered in discussion. You will also have homework and in-class quizzes. There will be no opportunities for extra credit in this course. The course components will be weighted as follows in the final course grade:

Homework: 5%  
Quizzes: 15%  
Midterm exams: 15% each  
Final exam: 35%

Calculators/Cell Phones: Only scientific calculators are allowed on quizzes, exams, and the final exam. Scientific calculators are inexpensive, have one-line displays and cannot display graphs of functions, perform symbolic manipulations, or store text in memory. If you are unsure whether your calculator is allowed, check with the lecturer or with your TA before the day of the quiz or exam. Cellphones and internet-connected devices are not allowed on quizzes, exams, and the final exam.

As a courtesy to me and your fellow students, please turn your cell phone off or on silent before class starts.

Exams: There will be three 50-minute-long in-class midterm exams and a 3-hour-long final exam. Midterm exams will be administered in discussion. The final exam will be a comprehensive exam over all the material covered in the course. All exams are closed book and notes. All sections of Math 1272 take the same final exam.

Missing an exam is permitted only for very serious and unavoidable extenuating circumstances, and only if you notify your instructor in advance. Written documentation is required and arrangements must be made in advance. Otherwise you will get a score of 0 on the exam. If you are excused from taking a midterm exam,
you will not be given a make-up. Instead, appropriate extra weight will be given to your final exam score. Except in truly exceptional situations, a student who misses the final exam will fail the course.

The exam dates are:

Midterm 1: Thursday, February 16th
Midterm 2: Thursday, March 23rd
Midterm 3: Thursday, April 20th
Final: Monday, May 8th

**Homework:** Homework will be assigned weekly from the textbook, and will be collected on Thursday’s and graded for completion. Working many exercises is essential in developing an understanding of the material and is, therefore, essential to success in the course. You are encouraged to work with other students in the class, ask questions in office hours, or get outside help on the homework. Late homework will not be accepted.

**Quizzes:** Quizzes will be given each Thursday on which we have class, except for the Thursday’s during exam weeks, as well as Thursday, January 19 (so that there will be 11 total quizzes). All quizzes will be closed book, with no notes allowed. The quiz each week will be closely related to the homework problems assigned the previous week. There will be no make-ups on quizzes, but the lowest quiz score will be dropped.

**Tutoring:** There is free tutoring available through the SMART Learning Commons in the Walter and Wilson libraries. For more information, visit [http://www.tc.umn.edu/~smartlc/plc-schedule/tutor/](http://www.tc.umn.edu/~smartlc/plc-schedule/tutor/). Another option is to hire a private tutor. You can obtain a list of the private tutors from the Undergraduate Math Office by emailing ugrad@math.umn.edu.

There will also be study sessions held by the Peer-Assisted Learning Program (PAL) twice a week at the following times and locations:

Tuesday 11:15-12:05 Akerman 211 (session leader: Patrick Blee)
Wednesday 1:25-2:15 Akerman 227 (session leader: Pedro Angelo-Umana)

In the PAL sessions, students will work in small groups to solve problems selected by the leaders. They do not teach or work on homework. Pedro’s session will closely follow our lecture, and Patrick’s session will follow Prof. Bashkirov’s 1272 lecture. For more information, visit [https://www.lib.umn.edu/smart/peer-assisted-learning-pal](https://www.lib.umn.edu/smart/peer-assisted-learning-pal).

**To drop the course:** For the various rules and deadlines for dropping this course, visit One-Stop: [http://onestop.umn.edu/dates-and-deadlines](http://onestop.umn.edu/dates-and-deadlines).

**Incomplete grade:** A grade of “I” will be given for failure to complete all course requirements for reasons beyond the student’s control. The minimum requirement for an incomplete grade is a substantial amount of course work completed at the level of C- or better. An “I” grade requires a written agreement between the student and the instructor. It also requires the completion of a form, which can be obtained in Vincent Hall 115. After 1 year, an “I” turns into an “F” if the course work is not completed. Any arrangement for an incomplete grade MUST be made before the final exam.

**Disability Accommodations:** The University of Minnesota is committed to providing all students equal access to learning opportunities. Reasonable accommodations will be provided for students with disabilities on an individualized and flexible basis. More information is available at [http://ds.umn.edu/student-services.html](http://ds.umn.edu/student-services.html). If you receive test accommodations through Disability Services, I will need a copy of your accommodation
letter as soon as possible. Your exams need to be scheduled by you with the DS Testing Center via the online scheduling site at least 7 days before each exam.

**Scholastic Dishonesty:** This includes plagiarizing, cheating on homework or tests, using a graphing calculator for an exam, and obtaining test materials without faculty permission. Scholastic dishonesty in any portion of the academic work for a course shall be grounds for awarding a grade of F or N for the entire course and may face additional sanctions from the University. For more information on this see [http://regents.umn.edu/sites/regents.umn.edu/files/policies/Student_Conduct_Code.pdf](http://regents.umn.edu/sites/regents.umn.edu/files/policies/Student_Conduct_Code.pdf)