

Unified Calculus & Analytic Geometry III Spring 2017 Math 263 Section 1

Lectures: MWF 10:00 – 10:50 am, Hume 201

Instructor: Pengfei Zhang

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Office Hours: Tuesday 2:00 – 5:00 pm in Hume 323, or by appointment.

Textbook: *Calculus Early Transcendentals* w/binder + MyMathLab, 2nd Edition

Author: William Briggs & Cochran. ISBN-13: 978-1-323-14206-6

Coverage: Chapters 8, 9, 10 and 11, which include Sequences and Infinite Series, Power Series and Taylor Series, Parametric and Polar Curves, Vectors and Vector-Valued Functions.

Learning Objectives: Our goals are to enable students understand the concepts and rules covered by this course; learn different techniques of determining the convergence of an infinite series, calculating the arc length in parametric equations, finding tangent and normal vectors. Through this course, the student should get well prepared for his/her further related subjects studies. An additional objective of the course is to prepare student to MATH 264.

In Class. Cell phones should be silenced before class begins. Attendance will be recorded for informational purposes. You are responsible for any material, assignments, or announcements that you miss if absent from a class.

Homework. Homework will be assigned through MyMathLab www.pearsonmylabandmastering.com and will be due weekly. The course ID is **zhang79857**.

Blackboard. You will use the Blackboard online course system to get supplemental materials, monitor your grades, and communicate with classmates.

Exams. There will be three mid-term exams (see the schedule attached). The final exam is on Friday May 12, 8–11am.

Calculators and any other electronic devices are prohibited on all exams.

Grading

1. Your course grade will be calculated out of a total of 600 points:

Each mid-term exam counts 100 points, homework/participation counts 100 points, and the final exam counts 200 points.

2. The lowest grade of the three mid-terms can be dropped. Please note that the homework/quiz grade cannot be dropped.

3. Letter score cutoffs:

A: 558; A- 540; B+: 522; B: 498; B-: 480; C+:462; C: 420; D: 360; F: below 360.

Tentative Schedule of lectures for Math 263

The schedule is tentative. It depends on our actual pace in class and is subject to change.

| Week | Monday | Sections | Events |
|------|--------|------------|-----------------------------------|
| 1 | 1/23 | 8.1, 8.2 | |
| 2 | 1/30 | 8.3, 8.4 | Refund period ends on Friday |
| 3 | 2/06 | 8.4, 8.5 | |
| 4 | 2/13 | 8.6 | Quiz 1 on Wednesday |
| 5 | 2/20 | 9.1 | Exam 1 on Wednesday |
| 6 | 2/27 | 9.2, 9.3 | Deadline for withdrawal on Friday |
| 7 | 3/06 | 9.4, 10.1 | |
| 8 | 3/13 | | Spring Break |
| 9 | 3/20 | 10.2 | Exam 2 on Wednesday |
| 10 | 3/27 | 10.2, 10.3 | |
| 11 | 4/03 | 10.4, 11.1 | |
| 12 | 4/10 | 11.2, 11.3 | Good Friday |
| 13 | 4/17 | 11.4 | Exam 3 on Wednesday |
| 14 | 4/24 | 11.5, 11.6 | |
| 15 | 5/01 | Review | Reading week |
| 16 | 5/08 | Final Exam | |