Math 263-5 Unified Calculus and Analytic Geometry III  
Fall 2017

Instructor: Dr. Hailin Sang  
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Office Hours: 10-11AM (MWF) (or by appointment)

Lecture Days: TTh 2:30-3:45PM  
Classroom: Hume 201


Prerequisite: Math 262 with minimum grade of C.

Course content and description: We will cover Chapters 8, 9, 10 and 11. The contents include, infinite sequences, series and power series with their applications, conic sections and polar coordinates, vectors and the geometry of space, vector-valued functions. Our goals are to enable students understand the concepts and rules of the above areas; learn different techniques of determining the convergence of an infinite series, calculating the arc length and surface area in parametric equations, finding lines and planes in space, and tangent and normal vectors; develop problem solving skills, apply concepts and theories learned in class to solve some application problems and enhance critical thinking and analytical reasoning abilities.

Homework: The homework assignments will be electronically assigned on www.pearsonmylabandmastering.com. The homework will be worth a total of 100 points. See the additional page for registering a Pearson account to do the homework. The Pearson Customer Support Office is open Monday-Friday from 11 am until 7 pm (central time). You may call 1-800-677-6337 to receive assistance with the software. Help can be found 24 hours a day online at http://247pearsoned.custhelp.com/. It is highly recommended that you use Mozilla Firefox as your internet browser for this software.

Tests: There will be three tests during the semester. Each test will count for 100 points.

Final exam: The final exam will be comprehensive and count for 200 points.

Calculator: Calculators, cell phones, and all other electronic equipment are prohibited during tests.

Important notes

1. If a test is missed for ANY reason, a grade of 0 will be given. There will be absolutely NO make up tests given for ANY reason.

2. Any student who will miss one of the three tests because of an official University function must reschedule and take this test at a time BEFORE the test is scheduled to be given. NO OTHER rescheduling will be allowed.
3. An 'I' grade will not be given without the permission of the Department of Mathematics.

4. Students must show all work for each test question and arrive at a correct answer in order to receive full credit.

**Grading policy:** The cumulative point total for the course is 600:

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600 \text{ points} = 300 \text{ (tests)} + 100 \text{ (homework)} + 200 \text{ (final exam)}
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The final grade will be based on the following scale:

- A: 93%, A-: 90%, B+: 87%, B: 83%, B-: 80%,
- C: 70%, C+: 77%, D: 60%, F: below 60%.

**Tutoring:** The Math Department offers free tutoring on Calculus at Hume 326, Monday-Thursday 10am-6pm and Friday 10am-5pm.

**Attendance policy:** You are allowed to have 3 absences. Ten points are deducted from the final point total for each absence above the limit. It is the student’s responsibility to make sure his/her attendance record is correct.

**Special note:** A grade of C or better in Math 262 is required in order to take Math 263.

**Academic honesty:** The following statement is the policy of the Department of Mathematics regarding academic honesty: Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, or the use of an illegal calculator on tests or quizzes shall all be offenses subject to appropriate penalties. The penalty for commission of any offense set out above is failure in the course and, subject to the approval of the Chancellor, dismissal or suspension from the University.

**Withdrawal deadline:** The course withdrawal deadline for Fall 2017 is Monday, October 2. After the deadline, courses dropped will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise the grade recorded will be F. After the course withdrawal deadline, a student may drop a course only in cases of extreme and unavoidable emergency as determined by the academic dean; dropping a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing his/her major.

**Academic needs:** It is the responsibility of any student with a disability who requests a reasonable accommodation for tests to contact the Office of Student Disability Services (915-7128). Any requests must be made through this office prior to the date of the test.

**Important dates:**

- August 25: Students may add courses on a space available basis through this date.
- September 1: Last day to register or add classes (between August 26 and September 1 may add only with instructors approval.)
- October 2: Deadline for course withdrawals.
- Final Exams: Tuesday, December 5, 4pm.