

Syllabus - Math 263/03 – Spring 2014

Instructor: Dr. Qingying Bu

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Office Hours: M W F 2:00-5:00pm, or by appointment

Textbook: Calculus: Early Transcendentals w/ binder by William Briggs & Lyle Cochran,
ISBN: 9781256652533

Course contents and goals: This course covers sequences and infinite series including Taylor series, parametric equations and polar coordinates, vectors and vector-valued functions (chapters 8-11). Our goals are to enable students to understand the concepts, develop problem solving skills, apply concepts and theories learned in class to solve some application problems, prepare for higher level courses, and enhance critical thinking and analytical reasoning abilities.

Tests:

- There will be three major tests, each counting 100 points (the lowest test score is replaced by the final percentage provided that this percentage is higher).
- Online homework (counting 100 points) will be given throughout the semester. Use Course ID: **bu86929** to enroll in www.mymathlab.com to do online homework.
- The final examination is comprehensive and will count 200 points.
- The questions on three tests and the final exam will be similar in format to the examples in class and the homework problems.

A: $\geq 93\%$, **A-:** $\geq 90\%$, **B+:** $\geq 87\%$, **B:** $\geq 83\%$, **B-:** $\geq 80\%$,
C+: $\geq 77\%$, **C:** $\geq 73\%$, **C-:** $\geq 70\%$, **D:** $\geq 60\%$, **F:** $\leq 59\%$.

Test Dates: to be announced in class.

Final Exam: 8:00am, Wednesday, May 7.

Attendance Policy: Students are allowed **five** 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

Very Important:

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. The lowest of the three major test grades will be replaced by the exam percentage. Please note that the homework grade cannot be replaced.

3. 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.
4. An "I" grade will not be given without the permission of the Department of Mathematics.
5. Students must show all work for each test question and arrive at a correct answer.
6. Any student having three or more final examinations scheduled for the same day will arrange with the instructor to take the 12 noon examination or the 7:30 p.m. examination on some other mutually satisfactory date.
7. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by # 3 or # 6 above.

SPECIAL NOTE: A grade of C or better in Math 263 is required in order to take Math 264.

CALCULATORS: Your brain is a sufficient calculator in Math 263. Electronic calculators, cell phones, and ipods are prohibited on tests and quizzes.

ELECTRONIC DEVICES: All cellular phones, pagers, and other electronic equipment should be turned off during the class period, during movies, in churches, bookstores, restaurants, elevators, grocery stores, and especially while operating a motor vehicle.

Cheating: The following statement is the policy of the Department of Mathematics regarding cheating:

Offenses: 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.

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 FOR 2013 FALL SEMESTER: Tuesday, March 4, 2014.

After the Course Withdrawal 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 to contact the Office of Student Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then work with the student so that a reasonable accommodation of any disability can be made.

SUGGESTED PRACTICE EXERCISES FOR MATH 263/03

Section 8.1: 9-22
Section 8.2: 9-20, 35-42
Section 8.3: 7-15, 19-40, 47-50
Section 8.4: 9-34
Section 8.5: 9-38, 40-57
Section 8.6: 11-18, 39-44

Section 9.1: 13-20
Section 9.2: 9-20, 21-44
Section 9.3: 9-16
Section 9.4: 7-20, 21-26, 31-38, 39-44, 49-58

Section 10.1: 27-34, 35-38, 45-50
Section 10.2: 9-26, 31-36, 45-48
Section 10.3: 5-9, 21-28, 35-38
Section 10.4: 13-50

Section 11.1: 21-43
Section 11.2: 9-14, 23-44
Section 11.3: 9-18, 19-22, 23-28
Section 11.4: 7-8, 9-32, 42-49, 54-56
Section 11.5: 9-20
Section 11.6: 7-24, 35-44, 49-54
Section 11.7: 7-14
Section 11.8: 7-18, 27-34
Section 11.9: 15-42

