

Math 262 - Section 5, Spring 2017
Meeting Times: MWF 11:00am - 11:50am, Bishop 112

Instructor: Dr. Qin Zhang
Office Hours: MWF 1:00-2:00pm

Office: Hume 219
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Materials

1. Briggs & Cochran *Calculus Early Transcendentals (2nd edition) w/ binder + MyMathLab*; ISBN: 9781323110935
2. *Mathematica*, **do not purchase**: available on the computers in the Weir Hall Computer Lab or install on your computer using the university site license; installation instructions at

<http://www.mcsr.olemiss.edu/appsubpage.php?pagename=mathematica.inc>

There will be two Mathematica worksheets assigned this semester and their completion is mandatory.

3. Homework will be primarily assigned electronically using *MyMathLab* software. It is recommended that you install both the Google Chrome and Firefox web browsers on your computer. That way if the software has a problem in one browser you can switch to the other. If you are having trouble getting the software to work on your computer, either use MyMathLab's "Help & Support" feature or contact the Pearson representatives Steve Day (steve.day@pearson.com) or Melissa Fischer (melissa.fischer@pearson.com).

Course Content and Goals

We will cover Chapters 5, 6, and 7 of Briggs and Cochran's *Calculus Early Transcendentals*. Students who successfully complete Math 262 should be able to determine an antiderivative for polynomial, trigonometric, exponential, logarithmic, rational, and radical functions using a variety of methods. Students should also be able to write and evaluate definite integrals that represent plane area, volume, arc length, and surface area.

Tests, Quizzes, Homework

1. There will be six major tests during the semester. Each test will count 50 points. The test questions will be similar in format to the examples in class and the homework problems.
2. Online homework, written homework, and Mathematica worksheets will be given throughout the semester. Each assignment and Mathematica worksheet will be weighted evenly, for a total of 100 points. For MyMathLab (online homework), use **Course ID: zhang78035** to enroll in my grade book.
See handout for registration instructions for MyMathLab
3. The final examination is comprehensive and will count 200 points. It takes place at Noon on Monday, May 8th.

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 two of the six major test grades will be replaced by the exam percentage, if it is higher. Please note that the homework/quiz grade cannot be replaced.
3. Any student who will miss one of the six 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. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by # 3 above. **The final exam for Math 262, section 5 is at Noon on Monday, May 8th.**

Final Grade

The cumulative total for the course is 600 points – Tests: 6×50 , Homework/Mathematica: 100, Final Exam: 200.

Grade	Percentage Necessary
A	93%
A-	90%
B+	87%
B	83%
B-	80%
C+	77%
C	70%
D	60%
F	below 60%

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

Attendance Policy

Attendance is mandatory and will be taken through the Automated Attendance System in the room. Students are allowed five (5) 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. **NOTE:** students who do not attend class within the first two weeks of the semester may be dropped from the roll.

Tutoring

Free tutoring is available for Math 262. It will take place in Hume 326 (Monday to Thursday: 10 am to 6 pm, Friday: 10 am to 5 pm).

Calculators and Electronic Devices

Your brain is a sufficient calculator in Math 262. Electronic calculators, cell phones, and iPods are prohibited on tests, quizzes, and the final exam. Use of such electronic equipment while taking a test, quiz, or final exam will be considered academic dishonesty and appropriate action will be taken.

NOTE: All cell phones, laptops, iPads, and other electronic equipment should be turned **off** during class.

Cheating

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

Offenses: Cheating on any exam, quiz, homework, work to be completed in class; the use of calculators of any kind during tests or quizzes; theft or attempted theft of exam questions; use of prohibited technology; or possession of exam questions prior to the time for examination; 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 Spring 2017 Semester – Friday, March 3rd

After the course withdrawal deadline, a student may withdraw from a course only in cases of extreme and unavoidable emergencies as determined by the academic dean. Withdrawing from a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student has changed his or her major. 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.

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 be happy to work with the student so that a reasonable accommodation of any disability can be made.

Tentative Test Dates and Suggested Practice Problems

The answers to odd numbered questions are in the back of the book!! All information below is subject to change.

TEST 1: (Tentative Date: Friday, February 10th)

Section	Problems
4.9	11–15, 23–26, 37–41, 47–49, 67–73
5.1	9–36, 39–42, 45–47, 68, 69, 77–79
5.2	21–24, 29, 33–40, 47–51
5.3	11, 12, 23–49, 61–66, 89, 91, 93, 100–102
5.4	9–26, 41–46

TEST 2: (Tentative Date: Wednesday, February 22th)

Section	Problems
5.5	17–30, 32–35, 39–46, 48–52, 62–64, 67–71
6.1	7–20, 27–34

TEST 3: (Tentative Date: Friday, March 10rd)

Section	Problems
6.2	5–7, 14, 15, 17, 20, 23, 30
6.3	17–19, 23–28, 30, 35, 36, 45, 46
6.4	5–9, 12, 15–18, 22
6.5	3–9, 11

TEST 4: (Tentative Date: Wednesday, March 29th)

Section	Problems
6.8	13–17, 21–23
7.2	7–12, 14–16, 19, 31–35

TEST 5: (Tentative Date: Monday, April 17th)

Section	Problems
7.3	9–11, 14, 16, 17, 25, 37, 41, 44
7.4	7, 8, 10–13, 18, 20, 24, 25, 27, 28, 30, 31, 40, 47–49, 52, 53, 58, 59, 64
7.5	13–17, 19, 23, 26, 48, 63, 65, 66, 70, 76–78, 80

TEST 6: (Tentative Date: Friday, April 28th)

Section	Problems
7.8	5–7, 9–11, 14, 16, 27, 35, 37, 41, 44, 45
7.9	21–28, 31, 32, 36, 37, 56, 58

Final Exam: (Friday, December 12th, 8:00am–11:00am)

Section	Problems
All previous sections	previous problems