

Syllabus for Maths 262: Unified Calculus & Analytic geometry II  
Spring 2017

Instructor: Dr. Martial Longla . Office: Hume Hall 308  
Office hours : Tu, Th: 2:30 - 4:00, or by appointment  
Email: mlongla@olemiss.edu . Telephone : (662) 915-7436

**Course Information**

Textbook: Calculus: Early Transcendentals w/ binder by William Briggs & Lyle Cochran, ISBN: 9780321947345 (For Pearsonmymathlab: **Your Course Name: Math 262 Spring 2017, Your Course ID: longla76453**)

**Course Description**

This course covers topics of univariate integration. It covers chapter 5, 6 and 7 of the text book. One of the goals of this course is to enhance students' critical thinking and analytical reasoning abilities. Students who successfully complete this class will be able to undertake the main courses related to their majors with full command of the required mathematical tools and to apply concepts and theories learned in class to solve some real application problems. Additionally, mathematics majors should be adequately prepared to continue their education in higher level courses where the concepts of calculus are examined in abstract form with full precision.

**LEARNING OBJECTIVES:**

The course is the second of the sequence of 4 Calculus courses and univariate integration. The students who complete the course successfully should be able to integrate basic functions (fractions, trigonometric integration), use integration by parts, substitution and trigonometric substitution.

**TESTING INFORMATION:**

- . Class attendance – Attendance is mandatory.
- . Homework – There are online assignments totally worth 100pts. These homework assignments will be given on Thursday and due on Tuesday.
- . Tests – There are 3 Tests each counting for 100pts (each in two parts: Online and in class) and a final exam counting for 200pts. The test dates will be given in class two weeks ahead of time. No make-up tests will be given except in cases of verified emergencies.
- . There will be a quiz online every Tuesday, due on Thursday, based on the current material. The quizzes will count for 50pts.

**Grade letters and scores**

A: 580-650 (includes A and A-), B: 520-579 (Includes B-, B and B+), C: 460-519 (includes C-, C and C+), D: 400-459, F: 000-399. I reserve the right to make the grading scale easier.

**Calculator Policy**

An inexpensive scientific calculator is sufficient in Math 262 but is not necessary. Calculators will NOT be allowed during exams or quizzes. While I cannot stop you from using a calculator at home, I encourage you to do the homework without a calculator. Calculators, cell phones, ipods, and other electronic equipment are prohibited during exams.

**Additional Policies**

1. Any person who must miss a scheduled mid-term exam or quiz because of an official university function must reschedule with the instructor to take the test at a time before the test is scheduled to be given. No other rescheduling will be allowed. If asked for by the instructor, official documentation must be provided.
2. A student who wishes to discuss the grading policy and/or testing policy, or wishes to have a conversation regarding the instructor of the course should make an appointment with the course supervisor in the Department of Mathematics.
3. An I grade will not be given without the permission of the Department of Mathematics.
4. Any student having three or more final exams scheduled for the same day may arrange with the instructor to take the exam at another time. This is the only reason that a final exam may be rescheduled.
5. Every student must take each exam at the time scheduled. The only exceptions are those students affected by (1) or (4) above.

#### **Course Withdrawal:**

The withdrawal deadline is March 3rd 2017. 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). That office through the student will then make contact with the instructor of this class. The instructor will then work with the student so that a reasonable accommodation of any disability can be made.

#### **Academic Honesty**

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.

#### **Tentative Plan (Subject to change):**

Week 1-4: Chapter 5

Week 5-8: Exam 1, Chapter 6

Week 9-13: Exam 2, Chapter 7

Week 13,14,15: Somewhere spring break ☺

Week 15: Exam 3, Review

Week 16: Final Exam