

## Syllabus - Spring 2017

### Math 262 Section 12, T-TH 9:30-10:45 Hume 201

**Instructor:** Donald Cole; Office & Hours: Lyceum 129; M-W 8-10 and by appointment; Office Phone 915-1712; e-mail: dcole@olemiss.edu

**Text:** **Calculus - Early Transcendentals by William Briggs and Lyle Cockran (required text). Chapters 5 – 7**

#### Course Material from Text:

I. Integration.	Chapter 5 – 5 sections
II. Application of Integration.	Chapter 6 – 8 sections
III. Integration Techniques.	Chapter 7 – 8 sections

#### Pearson's online MyLab Course information:

Course Name: Math 262-12 Calculus II

Course Code: cole96063

#### Selected Problems:

5.1: # 15 – 20; 27-29; 33	5.2: # 25 – 50	5.3: # 11–56;	5.4: # 7 – 25; 31-36, 38-41; 43
5.5 # 13 - 50			
6.1: # 7 – 14; 21-25; 30-31		6.2: # 5 – 32;	6.3: #15 – 36; 6.4: #11 – 32;
6.5: # 3 – 10	6.6: # 9 -24	6.7: # 7 – 28	6.8: # 9 - 18;
7.1 # 7-36;	7.2: # 9 - 32;	7.3: # 7 – 46;	7.4: # 9- 25; 7.5: # 5 - 20
7.6: #11 - 18;	7.7: #5-20;	7.8: # 9 - 20	

**Course Objective:** The course is the second of a four-sequence calculus based course for Science and Engineering majors. The primary theme for this course will be the introduction of the definite and indefinite integral, the Fundamental Theorem of Calculus, standard techniques for evaluating various integrals, and the application of integration to science-based problems.

#### Tests, Quizzes, and Other Assessment Measures:

1. There will be three to four major tests during the semester. Each test counts 100 points.
2. Quizzes (mostly on Thursdays –announced and unannounced) and Evening practice/help sessions both cumulatively counting for a total of 100 points will be given.
3. A Cumulative Final Examination totaling 100 points will be given.

**Final Grade Determination (Four-exam case):** An average of the exams and quizzes, will basically determine the final grade for the course. In cases of borderline averages, attendance at help sessions and homework may be factored in to help the student. The following grading rubric will be applied in determining the course grade (**No ± grades**):

Grade	Percentage Necessary for Grade
A	90% and above
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	Below 60%

#### Very Important Information:

1. If a test is missed for any reason, a grade of 0 will be given. There will be **no make up tests** given for any reason other than official university functions. Any student who must miss an exam because of an official university function may reschedule the exam **before** the test is originally scheduled. This is the only rescheduling allowed.

2. No make up quizzes will be given.
3. No late homework will be accepted.
4. An "I" grade will not be given without the permission of the Department of Mathematics.
5. Students must show all work on Exams and Quizzes in order to receive credit.
6. A student who wishes to discuss the grading policy, 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.
7. Each student is responsible for all work missed due to absences.
8. The student shall turn in 5 large 8 ½ by 11 inch blue examination books for use on the tests and final to Dr. Cole as soon as possible. DO NOT write your name on the booklets.
9. Special Note: All cellular phones, pagers, and other electronic equipment should be turned off during the class period.
10. Use of electronic calculators **will not** be allowed during exams provided that sufficient work is shown in obtaining the final results.

**Attendance Policy:** Starting Tuesday, January 31st, absences will be counted. A student is allowed two absences without penalty. Starting with the third absence, 10 points is deducted from the students' final point total for each absence. **Special Note:** Students are asked to neither come into the class late nor leave early.

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

**Offenses:** Cheating on any exam, quiz, class work, or homework, theft of exam questions or possession of exam questions prior to the time for the exam shall all be offenses subject to the 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 Date for the Semester:** Tuesday March 3, 2017. After the course withdrawal deadline, courses 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 an F. After the course withdrawal deadline a student may drop a course only in cases of extreme and unavoidable emergency as determined by the student's academic dean. Dropping the course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing their major.

**Special Dates: Spring Break:** March 13th – 17th,

**Last Day to Drop:** Tuesday, March 3th

**Last Day of Class:** Friday, May 4th

**Final Exam:** 8 a.m. Thursday May 11<sup>th</sup> at 8:00 a.m.

**Learning Outcomes:** The student successfully completing this course will be able to have an understanding of the basic mathematical vocabulary of the subject area covered, be able to iterate the definition of an integral and the Fundamental Theorem of Calculus, have an appreciation of the application of the material covered, coherently explain the Fundamental Theorem of Calculus and have an appreciation of how the material relates to other mathematics courses

**Subject to Change Provision:** The schedule and policies set forth in this syllabus are subject to revision at any time.