

Syllabus Calculus II Math122-200802 Winter 2008-9

Text: Calculus – Early Transcendentals - 8th Edition
by Anton, Bivens and Davis, John Wiley & Sons

Class URL: <http://www.math.drexel.edu/~rperline/math122-200802>

Week	Lecture Topics	Sections	Assigned Problems
1 1/4	The Indefinite Integral Integration by Substitution	6.2, 6.3	6.2: 9, 11, 17, 23, 25, 27, 35 6.3: 1, 5, 9, 11, 15, 19, 27, 35, 41, 45
2 1/11	Sigma Notation; Area as a limit The definite integral	6.4, 6.5	6.4: 7, 9, 11, 15, 19, 27, 29, 31, 41, 47 6.5: 1, 5, 9, 11, 13, 17, 25, 29, 31
3 1/18	<i>MLK Holiday (Monday 1/19)</i> The Fundamental Theorem of Calculus Integration by Substitution	6.6, 6.8	6.6: 3, 7, 13, 17, 23, 31, 43, 53, 55 6.8: 1, 3, 11, 15, 21, 27, 31, 39, 43, 45, 55
4 1/25 Test 1	Area Between Two Curves Volumes by Slicing; Disks and Washers Review for Test 1 Test 1 Jan 28 at 8 AM	7.1, 7.2	7.1: 5, 9, 13, 17, 31, 33, 37, 39 7.2: 1, 3, 5, 11, 17, 23, 35, 41, 49, 57
5 2/1	Work Integration by Parts	7.7, 8.2	7.7: 1, 3, 5, 9, 11, 13, 15, 17, 21, 23 8.2: 3, 5, 9, 11, 13, 15, 21, 23, 27, 41
6 2/8 Test 2	Integrating Rational Functions by Partial Fractions Review for Test 2 Test 2 Feb 11 at 8 AM	8.5	8.5: 3, 5, 11, 15, 17, 21, 25, 27, 29, 31, 35
7 2/15	First Order Differential Equations; Modeling	9.1, 9.3	9.1: 1, 3, 5, 7, 15, 17, 27, 29, 31 9.3: 5, 9, 11, 19, 21, 25, 29, 31, 39
8 2/22 Test 3	Trigonometric Integrals Improper Integrals Review for Test 3 Test 3 Feb 25 at 8 AM	8.3, 8.8	8.3: 5, 11, 13, 17, 19, 25, 31 8.8: 3, 5, 7, 11, 17, 25, 29, 33, 41
9 3/1	Polar Coordinates Tangent Lines, Arc Length in Polar Coordinates	11.1, 11.2 (7.4)	11.1: 3, 5, 9, 11, 17, 19, 21, 29, 31 11.2: 5, 7, 9, 13, 21, 25, 29 (7.4: 3, 5, 7, 9, 11)
10 3/8	Area in Polar Coordinates Review for Final	11.3	11.3: 3, 5, 7, 11, 15, 17, 19

The following information is a collection of basic information regarding prerequisites, course format, course policies and requirements, exam schedule, grading guidelines, etc. You are expected to be fully aware of these policies and expectations, so please review this information carefully and ask your instructor if you have further questions about any of it.

1. **Prerequisites:** You must have taken and passed MATH 121 or its equivalent. If you got a D in MATH 121, you should consider retaking that course. Any questions concerning your readiness for the course should be resolved immediately.

2. **Course Coordinators:** Ron Perline ronald.k.perline@drexel.edu phone: 215-895-6623 Korman 272
Robert Immordino Robert.Immordino@Drexel.edu phone: 215-895-6830 Korman 230

3. **Text:** Calculus – Calculus: Early Transcendentals - 8th Edition by Anton, Bivens, and Davis - John Wiley & Sons

4. **Course Format:** Depending on your scheduling, your calculus class will meet either 4 times a week for 50 minutes, or twice a week for a longer period. During class, your instructor will be presenting lectures on the course material, as well as engaging the class in discussion and problem sessions. Additionally, there will be short quizzes that take place in class each week.

5. **Attendance:** Regular attendance (both lectures and recitations) is essential for success in this course. You are responsible for all the material discussed in class. **The quarter system moves very quickly** -- if you don't do your work regularly, it is easy to fall behind.

6. **Daily Homework:** The assigned problems indicated on the course syllabus have been chosen to illustrate the more important concepts and techniques that you are expected to master. These problems are for your benefit and should be worked regularly and in detail. It is only by doing the problems yourself that you will acquire the skills needed for proficiency in the course. We will discuss some of these problems in lectures and discussion, but it is your responsibility to do the work and look at all of the problems.

7. **In-Class Quizzes:** Each week, there will be an in-class quiz, which will cover material discussed up to that point in the class. Each quiz will be worth 3 points so there will be 30 available points. To get your grade for this portion we will take the total number of points obtained and divide that number by 27 -- so you can get extra credit from this portion of your grade.

8. **Midterm Exams:** There will be 3 exams during the term. These will be common exams (all students take the same exam) given during the 8:00-8:50 AM exam period: The dates are **Jan 28, Feb 11 and Feb 25**.

Your University ID is REQUIRED for all exams. No notes. No calculators or electronic devices.

There will be a SINGLE make-up exam for any absences from one of the scheduled midterms. This exam will be given during the last week of classes, and will be comprehensive of the material covered on the first three exams. You CANNOT take this exam if you have taken the three regular exams. There is NO rescheduling for the make-up (no makeup of the makeup).

9. **Final Exam.** There will be a two-hour final exam scheduled during the final exam week at the end of the term (week of March 15).

10. **Course Grades:** Your course average will be computed according to the following formula:

In class assignment grade will count 20%
Your two highest midterms will count 20% each
The final exam will count 20%

The additional 20% will either be your final exam grade, or your lowest midterm, whichever is higher.

Grading Criteria	90-100 A	80-89 B	70-79 C	60-69 D
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Pluses and minuses will be assigned at the discretion of the instructor. In addition, the instructional staff of Math 121 reserves the right to modify the above grading criteria as needed in individual cases.

11. **Math Resource Center – 247 Korman.** Go there! The MRC has faculty and teaching assistants for all courses available from 10-4 Monday thru Friday, to work with individuals and small groups. People who use this resource often raise their grades by one grade level or more by going to the MRC center regularly.