<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture Topics</th>
<th>Sections</th>
<th>Assigned Problems</th>
</tr>
</thead>
</table>
| 1    | 9/22 Functions, New functions from old (composition), Inverse functions, Exponential and Logarithmic Functions, Trig functions | 1.1,1.3 1.5, 1.6 Appendix | p12: 1-4, 9, 10, 19, 21, 25(a), (b), 27(a), b), (c), 28(a), (b), 31  
p36: 30, 34, 33, 35, 37, 41, 53, 55  
p62: 8, 10, 24  
p74: 1, 5, 6, 9, 11, 15, 22, 25, 31, 33  
A11: 7, 9, 13, 15, 21, 25, 37, 43, 45, 50, 52, 56, 57, 61 |
| 2    | 9/29 Limits Computing Limits Limits at Infinity | 2.1, 2.2, 2.3 | P110: odds 1-5  
P121: odds 3-31, 32, 33, 37, 38  
P131: 1, 3, 4, odds 7-27, 31, 33, 37, odds 43-57 |
| 3    | 10/6 Continuity ; Inverse Trig functions Limits and Continuity of Trig. Functions | 2.5, 1.5, 2.6 | P152: 1, 3, 4, odds 7-27, 41, 43  
P62: 35, 37, 39, 57  
P160: odds 1-9, odds 17-35, 45, 49, |
| 4    | 10/13 (Columbus Day Holiday 10/13) *** Exam 1 *** Wed 10/15 Tangent Lines, Velocity and Rates of Change Derivative Function | | P176: odds 1-17, 21, 23  
P187: odds 1-25, 29 |
| 5    | 10/20 Techniques of Differentiation Product Rule and Quotient Rule Derivatives of Trig Functions | 3.3-3.5 | P196: odds 1-23, odds 29-37  
P203: 3, 7, 11, 13, 23, 25, 27, 29, 39  
P207: odds 1-25, 27(a), 29, 40 |
| 6    | 10/27 *** Exam 2 *** Wed 10/29 The Chain Rule Related Rates Local Linear Approximation | 3.6 -3.8 | P214: odds 7-39, 43, 45, 47, 51, 53, 55, 57  
P221: odds 1-9, 13, 15, 17, 19, 21, 25, 27, 29, 33  
P229: 1, 3, 5, 7, 9, 17, 19, 21, 25, 27, 28 |
| 7    | 11/3 Implicit Differentiation Derivatives of Logarithmic and Exponential Functions and Inverse Trig Functions | 4.1-4.3 | P241: odds 1-25, 29, 31, 33, 35  
P247: odds 1-45  
P254: odds 11-43, 51, 59, 61 |
| 8    | 11/10 *** Exam 3 *** Wed 11/2 L’Hospital’s Rule Analysis of Functions Relative Extrema and Graphing Functions | 4.4, 5.1,5.2 | P263: 1, odds 5-35, 39, 49, 51, 53  
P275: odds 1 – 35  
P287: odds 1-11, odds 15-31, 35, 39, 41, 45, 47, 51, 59, 61, 63 |
| 9    | 11/17 More Curve Sketching, Absolute Max-Min | 5.3, 5.4 | P299: 1, 3, 5, 29, 41, 47, 51  
P307: 1, 3, odds 7-13, odds 17-25, odds 31-37 |
| 10   | 11/24 Applied Max-Min (Thanksgiving Holiday begins Wed.) | 5.5 | P318: odds 1-13, 19, 21, 29, 41, 47, 50, 51 |
| 11   | 12/1 Catch Up and Review for Final | | |
The following 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:** It is assumed that students entering MATH 121 will typically have completed four years of high school (college preparatory) mathematics including algebra I & II, plane geometry, and trigonometry. Any questions concerning your readiness for the course should be resolved immediately – please contact your instructor.

2. **Course Coordinators:** Ron Perline  
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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 33 available points. To get your grade for this portion we will take the total number of points obtained and divide that number by 30 -- 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 **Oct 15, Oct 29, and Nov 12.**

   **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.

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 Dec. 8).

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 | 80-89 | 70-79 | 60-69 |
    |------------------|--------|-------|-------|-------|
    | A                |        |       |       |       |
    | B                |        |       |       |       |
    | C                |        |       |       |       |
    | D                |        |       |       |       |

    Plusses 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.