

Schedule, Chapter 3  
Fall 1998

MA113:004-006  
Russell Brown

10/21 §3.1 Derivatives of polynomials and exponential functions  
10/22 Problems, 3.1  
10/23 §3.2 Derivatives of products and quotients, hand back exams, midterm grades  
10/26 §3.3 Rates of change  
10/27 Problems, 3.2, 3.3  
10/28 §3.4 Derivatives of trigonometric functions  
10/29 Problems, 3.4  
10/30 §3.5 The chain rule, quiz 3.1-3.3  
11/2 §3.5 More chain rule  
11/3 Problems, 3.5  
11/4 §3.6 Implicit differentiation  
11/5 Project, Bezier curves  
11/6 §3.7, Derivatives of logarithmic functions, quiz 3.4-3.5  
11/9 §3.8 Linear approximations and differentials  
11/10 Problems 3.6-3.7  
11/11 §4.1, Related rates  
11/12 Problems 3.8-4.1  
11/13 §4.1, quiz 3.6-3.8, project due  
11/16 Review  
11/17 Review, test 7:30-9:30 CB114

The first written homework assignment for chapter 3 will be due on Wednesday, 28 October at 10am. The assignment is §3.1 #48, 54. §3.2 #14, 38a) b) (in part b, only find a formula for  $F'''$ .)

There is a primitive web site for this course at [www.ms.uky.edu/~rbrown/ma113](http://www.ms.uky.edu/~rbrown/ma113). All handouts for this course will be available in postscript, pdf and  $\text{\LaTeX}$  source.