This chart compares the equivalent sections of the UC Davis MAT 16B and (enter your college name here + course name and number).

**Short Calculus Course Comparison**

Equivalency of UC Davis Short Calculus (MAT 16B) and (enter your college here + course name and number)

Textbook used for (college name) course:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ISBN:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **UC Davis MAT 16B Sections** | **(enter your college + course name and number) Sections** |
| 4.1-4.3 Exponential functions and their derivatives |  |
| 4.4 Logarithmic functions |  |
| 4.5 Derivatives of logarithmic functions  Note: Show how to differentiate functions of the form  y = [f(x)] ^ [g(x)] |  |
| 4.6 Exponential growth and decay |  |
| 5.1 Antiderivatives and indefinite integrals |  |
| 5.2 The General Power Rule |  |
| 8.5 Simple trig integrals |  |
| 5.3 Exponential and logarithmic integrals |  |
| 5.4 Definite integrals and the Fundamental Theorem of Calculus |  |
| 5.5 Area of a region |  |
| 5.7 Volumes of solids of revolution (disc/washer method) |  |
| 6.1 Integration by substitution |  |
| 6.2 Integration by parts |  |
| 8.5 Trigonometric integrals |  |
| 6.3 Partial fractions |  |
| 6.6 Improper integrals |  |
| 9.1 Discrete probability |  |
| 9.2 Continous random variables |  |
| 9.3 Mean and median; variance and standard deviation; uniform, normal, and exponential probability density functions. |  |
| 5.6 The midpoint rule |  |
| 6.5 The trapezoidal rule and Simpson’s rule |  |
| 6.4 Integration tables and completing the square |  |