This chart compares the equivalent sections of the UC Davis MAT 21B and (enter your college name here + course name and number).

**Calculus Course Comparison**

Equivalency of UC Davis (MAT 21B) and (enter your college here + course name and number)

Textbook used for (college name) course:

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

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| **UC Davis MAT 21B Calculus Sections** | **(enter your college + course name and number) Sections** |
| 4.8 Antiderivatives |  |
| 5.1 Area and estimating with finite sums |  |
| 5.2 Sigma notation and limits of finite sums |  |
| 5.3 The definite integral |  |
| 5.4 The Fundamental Theorem of Calculus |  |
| 5.5 Indefinite integrals and the substitution method |  |
| 5.6 Substitution and area between curves |  |
| 6.1 Volumes using cross sections |  |
| 6.2 Volumes using cylindrical shells |  |
| 6.3 Arc length |  |
| 6.4 Areas of surfaces of revolution |  |
| 6.5 Work and fluid forces |  |
| 6.6 Moments and centers of mass |  |
| 7.1 The logarithm defined as an integral |  |
| 7.2 Exponential change and separable differential equations |  |
| 8.1 Integration by parts |  |
| 8.2 Trigonometric integrals |  |
| 8.3 Trigonometric substitutions |  |
| 8.4 Integration of rational functions by partial fractions |  |
| 8.6 Numerical integration |  |
| 8.7 Improper integrals |  |
| 11.1 Parametrization of plane curves |  |
| 11.2 Calculus with parametric curves |  |
| 11.3 Polar coordinates |  |
| 11.4 Graphing in polar coordinates |  |