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

**Calculus Course Comparison**

Equivalency of UC Davis (MAT 21C) 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 21C Calculus Sections** | **(enter your college + course name and number) Sections** |
| 10.1 Sequences |  |
| 10.2 Infinite Series |  |
| 10.3 The integral test |  |
| 10.4 Comparison tests |  |
| 10.5 The ratio and root tests |  |
| 10.6 Alternating series, absolute and conditional convergence |  |
| 10.7 Power series |  |
| 10.8 Taylor and maclaurin series |  |
| 10.9 Convergence of taylor series |  |
| 10.10 The binomial series and applications of taylor series |  |
| 12.1 Three-dimensional coordinate systems |  |
| 12.2 Vectors |  |
| 12.3 The dot product |  |
| 12.4 The cross product |  |
| 12.5 Lines and planes in space |  |
| 13.1 Curves in space and their tangents |  |
| 13.2 Integrals of vector functions, projectile motion |  |
| 14.1 Functions of several variables |  |
| 14.2 Limits and continuity in higher dimensions |  |
| 14.3 Partial derivatives |  |
| 14.4 The Chain Rule |  |
| 14.5 Directions derivatives and gradient vectors |  |
| 14.6 Tangent planes and differentials |  |
| 14.7 Extreme values and saddle points |  |
| 14.8 Lagrange multipliers |  |