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

**Vectory Analysis Course Comparison**

Equivalency of UC Davis (MAT 21D) 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 21D Sections** | **(enter your college + course name and number) Sections** |
| 15.1 Double and Iterated Integrals over Rectangles |  |
| 15.2 Double Integrals over General Regions |  |
| 15.3 Area by Double Integration |  |
| 15.4 Double Integrals in Polar Form |  |
| 15.5 Triple Integrals in Rectangular Coordinates |  |
| 15.6 Moments and Centers of Mass |  |
| 15.7 Triple Integrals in Cylindrical and Spherical Coordinates |  |
| 15.8 Substitutions in Multiple Integrals |  |
| 12, 13.1, 13.2 Review of Vectors |  |
| 13.3 Arc Length in Space |  |
| 13.4 Curvature and Normal Vectors of a Curve |  |
| 13.5 Tangential and Normal Components of Acceleration |  |
| 16.1 Line Integrals |  |
| 16.2 Vector Fields and Line Integrals: Work, Circulation and Flux |  |
| 16.3 Path Independence, Conservative Fields. Potential Functions |  |
| 16.4 Green's Theorem in the Plane |  |
| 16.5 Surfaces and Area |  |
| 16.6 Surface Integrals |  |
| 16.7 Stokes' Theorem |  |
| 16.8 The Divergence Theorem and a Unified Theory |  |