## Course Profile

| Course Number: MATH 201 | Course Title: Calculus III |
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| Required / Elective: Required | Pre-requisites: MATH 101 |
| Catalog Description: Functions of several <br> variables, limits and continuity. Partial <br> derivatives, directional derivatives, Lagrange <br> multipliers, Taylor's formula. Double | Textbook / Required Material: <br> integrals in Cartesian and polar coordinates, <br> triple integrals in Cartesian, cylindrical and <br> spherical coordinates, line integrals, Green's <br> theorem, surface integrals, Stokes' theorem, <br> divergence theorem. |
| Thomas' Calculus Early Transcendentals 11 |  |
| Wesley Publishing Company, 2006 |  |



