CALCULUS III

MAT 211 Calculus III 4.0 UNITS

 $Continuation \ of \ MAT\ 112. \ The\ main\ topics\ considered\ are\ conic\ sections;\ parameterized\ curves;\ polar,\ cylindrical,\ and\ spherical\ coordinates;$ vectors in plane and space; functions of two or more variables; multiple integrals; and integrations in vector fields. Use of mathematical software in problem-solving is emphasized.