MATH 260 – CALCULUS AND ANALYTIC GEOMETRY III

1. **Course Description**:
   o This third course in a three-semester calculus sequence covers vectors in two- and three-dimensional space, quadratic surfaces, vector-valued functions of several variables, partial differentiation and multiple integration, vector fi v 50 12 -0 0 12 126 50.6 Tm0DBT

o **Time: The most common term lengths are listed below; others would be proportionate. Outside of class time is studying, completing homework, reviewing, etc.**

Length of term	In-class time	Out-of-class time (typical)	Total hours/wk (typical)	Total Term hours (typical)
17 weeks	**5 hrs/wk**	**7 hrs/wk**	**12**	**204**
8 weeks	**11 hrs/wk**	**14.5 hrs/wk**	**25.5**	**204**
6 weeks	**14**	**20**	**34**	**204**

o Technology: Graphing technology is used.
o Grading: Students who earn a grade of C or higher in Math 260 will pass the course.

4. **Who should enroll?**
o This Calculus course is recommended for any student who majors in STEM and has completed Math 155 (Calculus II) with a grade of C or better.
5. **What prior knowledge students need to know to be successful?**
o Limits
o Differentiation
o Optimization
o Integration and Fundamental Theorem of Cal I (undETA1 7-)-441.1--gy