

*Instructor's Syllabus***MATH 2330**

Catalog Description:

MATH 2330. Calculus and Analytic Geometry III (3) MATH 2320 continued. Partial derivatives, multiple integrals, power series. Prerequisite: Grade of C or higher in MATH 2320.

MATH 2330 is a 3 semester hour course which is the third of three courses in the regular calculus sequence at BGSU. A grade of C or higher is required in MATH 2320. The departmental convention is to assign a D grade in those circumstances where a student deserves credit for the course but is not judged to be prepared to complete the next course. In general, you will be doing students a disservice if you allow them to stay without meeting the prerequisite.

Textbooks:

Smith and Minton, *Calculus, Second Edition*, McGraw-Hill, 2002.
John Gresser, *A Maple Approach to Calculus*.

This course now includes a CAS component using Maple. John Gresser's revised Maple manual will be available for your use and will be available in the bookstore for the students.

	Pages
Chapter 10: Vectors and the Geometry of Space	67
Chapter 11: Vector-Valued Functions	56
Chapter 12: Functions of Several Variables and Partial Differentiation	104
Chapter 13: Multiple Integrals	84
Optional Topics: Vector Calculus	
Total	311