

MATH 2673 - Calculus 3

Fall 2026 Syllabus, Section 01, CRN 43415,

Credit hours: 4

Instructor

Thomas Smotzer

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Public Instructor Information

Instructor Title: Professor

Instructor Professional Qualifications: Ph. D., Mathematics, Indiana University, 1995. BM. Piano Performance, Baldwin Wallace College, 1988

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Course Description

2673. Calculus 3. A sequence of integrated courses in analytic geometry and calculus. A detailed study of limits, derivatives, and integrals of functions of one and several variables with applications. Prereq.: MATH 1572 with a "C" or better. 4 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Calculus, eighth edition	James Stewart	978-1-285-74062-1

Webassign and the e-book are available on Blackboard

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	12.1-12.3	Vectors and the Geometry of Space	
8/31	12.4-12.6	Vectors and the Geometry of Space	
9/7	13.1-13.2	Vector-Valued Functions and Motion in Space	
9/14	13.3-13.4	Vector-Valued Functions and Motion in Space	
9/21	14.1-14.3	Partial Derivatives	
9/28	14.4-14.6	Partial Derivatives	
10/5	14.7-14.8	Partial Derivatives	
10/12	15.1-15.3	Multiple Integrals	
10/19	15.4, 15.6	Multiple Integrals	
10/26	15.7, 15.8	Multiple Integrals	
11/2	16.1-16.3	Vector Calculus	
11/9	16.4, 16.5	Vector Calculus	
11/16	16.7, 16.8	Vector Calculus	
11/23	16.8	Vector Calculus	
11/30	Review		
12/7	Finals week		

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.