

MATH 1571 - Calculus 1

Fall 2026 Syllabus, Section 12, CRN 41552,

Credit hours: 4

Instructor

Patricia Sabanick

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Public Instructor Information

Instructor Title: Adjunct Instructor

Instructor Professional Qualifications: MS in Education, Youngstown State University, 2007; BS in Education, Integrated Mathematics, Kent State University, 2002

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Course Description

1571. Calculus 1. This course is an introduction to calculus. The main concepts to be studied are limits, continuity, rates of change, derivatives, integrals and applications. Prereq.: At least Level 70 on the YSU Mathematics Placement Test or C or better in either MATH 1510 and MATH 1511, MATH 1510C and MATH 1511C, or MATH 1513. 4 s.h.

Course Readings

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

You can access this ebook via WebAssign.

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	1.1, 1.3 - 1.8	Functions and Limits	
9/14	2.1 - 2.9	Derivatives	
10/12	3.1 - 3.5, 3.7, 3.9	Applications of Differentiation	
11/9	4.1 - 4.5	Integrals	
11/23	5.1 - 5.5	Applications of Integration	

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.