

MATH 1572 - Calculus 2

Summer 2026 Syllabus, Section A01, CRN 30964,

Credit hours: 4

Instructor

Thomas Wakefield

Professional Qualifications:

PhD, Pure Mathematics

Professor

Email: tpwakefield@ysu.edu

Office: Cafaro Hall 501

Office Phone: 330-941-3302

Course Description

1572. Calculus 2. 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.: C or better in MATH 1571, MATH 1571H, MATH 1581, MATH 1581H, or MATH 1585H. 4 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Cengage Unlimited Subscription (Calculus by James Stewart, 8th Edition with 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
5/11	Sections 6.1-6.6, 6.8	Inverse Functions, Exponentials, and Logarithms	WebAssign, Writing Assignments
5/18	Sections 7.1-7.5, 7.8	Integration Techniques	WebAssign, Writing Assignments
5/25	Sections 8.1, 8.2, 9.3	Applications of Integration	WebAssign, Writing Assignments
6/1	Sections 10.1-10.2	Parametric Functions	WebAssign, Writing Assignments
6/8	Sections 10.3-10.4	Polar Functions	WebAssign, Writing Assignments
6/15	Sections 11.1-11.7	Infinite Sequences and Series	WebAssign, Writing Assignments
6/22	Sections 11.8-11.10	Power Series	WebAssign, Writing Assignments

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.