

MATH 1572 - Calculus 2

Fall 2026 Syllabus, Section 05, CRN 40500,

Credit hours: 4

Instructor

Dr. Jozsef Jalics

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Public Instructor Information

Instructor Title: Dr. Jozsef Z. Jalics

Instructor Professional Qualifications: *Ph. D., Mathematics, The Ohio State University*

M.S., Mathematics, The Ohio State University

B.S., Mathematics, John Carroll University

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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 for use of Calculus, 8th edition	James Stewart	978-1-285-74062-1

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	Sec. 6.1-6.2	Inverse functions	
8/31	Sec. 6.3-6.5	Inverse Functions	
9/7	Sec. 6.6, 6.8	Inverse Functions	
9/14	Sec. 7.1-7.2	Techniques of Integration	
9/21	Sec. 7.3-7.4	Techniques of Integration	
9/28	Sec. 7.5	Techniques of Integration	
10/5	Sec. 8.1, 8.3	Further Applications of the Integral	
10/12	Sec. 9.3, 10.1	Separable differential Equations,, Parametric Equations	
10/19	Sec. 10.2-10.3	Parametric Equations and Polar Coordinates	
10/26	Sec. 10.4, 11.1	Polar Coordinates, Sequences	
11/2	Sec. 11.2-11.3	Series	
11/9	Sec. 11.4-11.5	Series	
11/16	Sec. 11.6-11.8	Series	
11/23	Sec. 11.9-11.10	Series	
11/30	Review		
12/7	Final Exam week		Final: Thursday, Dec. 10 8:00-10:00 AM

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.