

# MATH 1571 - Calculus 1

## Summer 2026 Syllabus, Section 01, CRN 30021,

Credit hours: 4

## Instructor

**Marie Kramer**

Professional Qualifications:

Ph.D., Mathematics, Syracuse University, 2025

M.Sc., Mathematics, Universität Ulm, 2021

M.Sc., Mathematics, Syracuse University, 2020

B.Sc., Mathematics and Management, Universität Ulm, 2018

Assistant Professor

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Preferred Contact Method: Email

Communication Expectations:

Please email me with any questions or stop by my student support hours. Emails are usually responded to within 24 business hours; rare exceptions may apply. If you email me late on a Friday or over the weekend, you may not receive a response until Monday.

How to Refer to me:

Dr. Kramer

## 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 with WebAssign (8th edition) | James Stewart | 9781337771429 |

You will access your course materials through B&N First Day. You are automatically enrolled in this program, and the cost for required course materials will be added to your student account. Please contact your instructor if you have any concerns about this.

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    | Review material daily for entry tickets | Chapter 1 (Functions and Limits)                                        | Homework (due Tuesday, Wednesday, Thursday)<br>Entry/Exit Tickets (most class days)       |
| 5/18    | Review material daily for entry tickets | Chapter 1 (Functions and Limits) - Continued<br>Chapter 2 (Derivatives) | Homework (due every class day)<br>Exam 1 (Monday)<br>Entry/Exit Tickets (most class days) |

|      |                                         |                                                                                    |                                                                                                                 |
|------|-----------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 5/25 | Review material daily for entry tickets | Chapter 2 (Derivatives) - Continued                                                | Homework (due every class day)<br>Exam 2 (Tuesday)<br>Entry/Exit Tickets (most class days)                      |
| 6/1  | Review material daily for entry tickets | Chapter 2 (Derivatives) - Continued<br>Chapter 3 (Applications of Differentiation) | Homework (due every class day)<br>Exam 3 (Monday)<br>Entry/Exit Tickets (most class days)                       |
| 6/8  | Review material daily for entry tickets | Chapter 3 (Applications of Differentiation) - Continued<br>Chapter 4 (Integrals)   | Homework (due every class day)<br>Exam 4 (Monday)<br>Entry/Exit Tickets (most class days)                       |
| 6/15 | Review material daily for entry tickets | Chapter 4 (Integrals) - Continued<br>Chapter 5 (Applications of Integration)       | Homework (due every class day)<br>Exam 5 (Monday)<br>Entry/Exit Tickets (most class days)                       |
| 6/22 | Review material daily for entry tickets | Chapter 5 (Applications of Integration) - Continued                                | Homework (due every class day)<br>Exam 6 (Monday)<br>"Final" (Thursday)<br>Entry/Exit Tickets (most class days) |

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.