

## MATH 2673 - Calculus 3

### Fall 2026 Syllabus, Section 03, CRN 40505,

Credit hours: 4

## Instructor

Marie Kramer

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## Public Instructor Information

Instructor Title: Assistant Professor

Instructor Professional Qualifications: Ph.D., Mathematics, Syracuse University, 2025

Instructor Office Location: Cafaro Hall

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

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                                                                                       |
|---------|-----------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 8/24    | Review material for Entry Tickets | Chapter 12 (Vectors and the Geometry of Space)                       | Entry Ticket (Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday)                    |
| 8/31    | Review material for Entry Tickets | Chapter 12 - Continued (Vectors and the Geometry of Space)           | Entry Ticket (Monday, Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday)            |
| 9/7     |                                   | Chapter 13 (Vector-Valued Functions and Motion in Space)             | Exam 1 (Wednesday)<br>Exit Ticket (Wednesday)<br>Homework (Friday)                                             |
| 9/14    | Review material for Entry Tickets | Chapter 13 - Continued (Vector-Values Functions and Motion in Space) | Entry Ticket (Monday, Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday)            |
| 9/21    | Review material for Entry Tickets | Chapter 14 (Partial Derivatives)                                     | Exam 2 (Monday)<br>Entry Ticket (Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday) |
| 9/28    | Review material for Entry Tickets | Chapter 14 - Continued (Partial Derivatives)                         | Entry Ticket (Monday, Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday)            |

|       |                                   |                                                                                 |                                                                                                                |
|-------|-----------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 10/5  | Review material for Entry Tickets | Chapter 14 - Continued (Partial Derivatives)<br>Chapter 15 (Multiple Integrals) | Exam 3 (Monday)<br>Entry Ticket (Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday) |
| 10/12 | Review material for Entry Tickets | Chapter 15 - Continued (Multiple Integrals)                                     | Midterm Exam (Monday)<br>Entry Ticket (Wednesday)<br>Exit Ticket (Wednesday)<br>Homework (Friday)              |
| 10/19 | Review material for Entry Tickets | Chapter 15 - Continued (Multiple Integrals)                                     | Exam 4 (Monday)<br>Entry Ticket (Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday) |
| 10/26 | Review material for Entry Tickets | Chapter 15 - Continued (Multiple Integrals)<br>Chapter 16 (Vector Calculus)     | Entry Ticket (Monday, Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday)            |
| 11/2  | Review material for Entry Tickets | Chapter 16 - Continued (Vector Calculus)                                        | Exam 5 (Monday)<br>Entry Ticket (Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday) |
| 11/9  | Review material for Entry Tickets | Chapter 16 - Continued (Vector Calculus)                                        | Entry Ticket (Monday)<br>Exit Ticket (Monday)<br>Homework (Thursday)                                           |
| 11/16 | Review material for Entry Tickets | Chapter 16 - Continued (Vector Calculus)                                        | Exam 6 (Monday)<br>Entry Ticket (Wednesday)<br>Exit Ticket (Monday, Wednesday)<br>Homework (Wednesday, Friday) |
| 11/23 | Review material for Entry Tickets | Chapter 16 - Continued (Vector Calculus)                                        | Entry Ticket (Monday)<br>Exit Ticket (Monday)                                                                  |
| 11/30 | Review material for Entry Tickets | Chapter 16 - Continued (Vector Calculus)                                        | Exam 7 (Wednesday)<br>Entry Ticket (Monday)<br>Exit Ticket (Monday)<br>Homework (Monday, Wednesday)            |
| 12/7  |                                   |                                                                                 | Final Exam (Wednesday)                                                                                         |

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.