

Course Calendar · MA 26100 · Fall 2023

| Week | Day | Date | Class Activities | Outside of Class Activities |
|----------|------------|-------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 1 | MON | 8/21 | Lesson 1 Review of Vectors (13.1 - 13.4) | Reading: 13.1, 13.2, 13.3, 13.4 Homework: None |
| | TUE | 8/22 | Recitation (Getting to Know You Survey) | Quiz 0: Syllabus Quiz Quiz is online in Brightspace (Quiz 0 available until 9/1) |
| | WED | 8/23 | Lesson 2 13.5 Lines & Planes in Space | Reading: 13.5 Homework: None |
| | THU | 8/24 | | |
| | FRI | 8/25 | Lesson 3 13.6 Quadratic Surfaces, Part I | Reading: 13.6 Homework: HW 1 (Lesson 1) |
| 2 | MON | 8/28 | Lesson 4 13.6 Quadratic Surfaces, Part II | Reading: 13.6 Homework: HW 1 (Lesson 1), HW 2 (Lesson 2) |
| | TUE | 8/29 | Recitation Quiz 1 (Lessons 1 - 2) | |
| | WED | 8/30 | Lesson 5 14.1 Vector-Valued Functions | Reading: 14.1 Homework: HW3 (Lesson 3), HW 4 (Lesson 4) |
| | THU | 8/31 | | |
| | FRI | 9/1 | Lesson 6 14.2 Calculus of Vector-Valued Functions, 14.3 Motion in Space, Part 1 | Reading: 14.2, 14.3 Homework: HW 5 (Lesson 5) |
| 3 | MON | 9/4 | Labor Day No Lecture | Reading: None Homework: None |
| | TUE | 9/5 | Recitation Quiz 2 (Lessons 3 - 5) | |
| | WED | 9/6 | Lesson 7 14.3 Motion in Space, Part II | Reading: 14.3 Homework: HW 6 (Lesson 6) |
| | THU | 9/7 | | |
| | FRI | 9/8 | Lesson 8 14.4 Length of Curves, 14.5 Curvature | Reading: 14.4, 14.5 Homework: HW 7 (Lesson 7) |

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| 4 | MON | 9/11 | Lesson 9 15.1 Functions of Several Variables | Reading: 15.1 Homework: HW 8 (Lesson 8) |
| | TUE | 9/12 | Recitation Quiz 3 (Lessons 6 - 8) | |
| | WED | 9/13 | Lesson 10 15.2 Limits and Continuity | Reading: 15.2 Homework: HW 9 (Lesson 9) |
| | THU | 9/14 | | |
| | FRI | 9/15 | Lesson 11 15.3 Partial Derivatives | Reading: 15.3 Homework: HW 10 (Lesson 10) |
| 5 | MON | 9/18 | Lesson 12 15.4 The Chain Rule | Reading: 15.4 Homework: HW 11 (Lesson 11) |
| | TUE | 9/19 | Recitation Quiz 4 (Lessons 9 -11) | |
| | WED | 9/20 | Lesson 13 15.5 Directional Derivatives and the Gradient | Reading: 15.5 Homework: HW 12 (Lesson 12) |
| | THU | 9/21 | | |
| | FRI | 9/22 | Lesson 14 15.6 Tangent Plane and Linear Approximation | Reading: 15.6 Homework: HW 13 (Lesson 13) |
| 6 | MON | 9/25 | Lesson 15 15.7 Maximum and Minimum Problems, Part I | Reading: 15.7 Homework: HW 14 (Lesson 14) |
| | TUE | 9/26 | Recitation Quiz 5 (Lessons 12 - 14) | |
| | WED | 9/27 | Lesson 16 15.7 Maximum and Minimum Problems, Part II | Reading: 15.7 Homework: HW 15 (Lesson 15) |
| | THU | 9/28 | | |
| | FRI | 9/29 | Lesson 17 15.8 Lagrange Multipliers | Reading: 15.8 Homework: HW 16 (Lesson 16) |

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| 7 | MON | 10/2 | Exam 1 Review 15.8 Lagrange Multipliers | Reading: None Homework: HW 17 (Lesson 17) |
| | TUE | 10/3 | Recitation Exam 1 Review (No Quiz) | Exam 1: Time and Place TBA |
| | WED | 10/4 | Lesson 18 16.1 Double Integrals in Rectangular Regions | Reading: 16.1 Homework: None |
| | THU | 10/5 | | |
| | FRI | 10/6 | No Class Class cancelled | Reading: None Homework: None |
| 8 | MON | 10/9 | October Break No Lecture | Reading: None Homework: None |
| | TUE | 10/10 | October Break No Recitation | Reading: None Homework: None |
| | WED | 10/11 | Lesson 19 16.2 Double Integrals over General Regions | Reading: 16.2 Homework: HW 17 (Lesson 17) , HW 18 (Lesson 18) |
| | THU | 10/12 | | |
| | FRI | 10/13 | Lesson 20 16.3 Double Integrals in Polar Coordinates | Reading: 16.3 Homework: HW 19 (Lesson 19) |
| 9 | MON | 10/16 | Lesson 21 16.4 Triple Integrals | Reading: 16.4 Homework: HW 20 (Lesson 20) |
| | TUE | 10/17 | Recitation Quiz 6 (Lessons 17 - 20) | |
| | WED | 10/18 | Lesson 22 16.5 Triple Integrals in Cylindrical Coordinates | Reading: 16.5 Homework: HW 21 (Lesson 21) |
| | THU | 10/19 | | |
| | FRI | 10/20 | Lesson 23 16.5 Triple Integrals in Spherical Coordinates | Reading: 16.5 Homework: HW 22 (Lesson 22) |

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| 10 | MON | 10/23 | Lesson 24 16.6 Integrals for Mass Calculation | Reading: 16.6 Homework: HW 23 (Lesson 23) |
| | TUE | 10/24 | Recitation Quiz 7 (Lessons 21 - 23) | |
| | WED | 10/25 | Lesson 25 17.1 Vector Fields | Reading: 17.1 Homework: HW 24 (Lesson 24) |
| | THU | 10/26 | | |
| | FRI | 10/27 | Lesson 26 17.2 Line Integrals of Functions | Reading: 17.2 Homework: HW 25 (Lesson 25) |
| 11 | MON | 10/30 | Lesson 27 17.2 Line Integrals of Vector Fields | Reading: 17.2 Homework: HW 26 (Lesson 26) |
| | TUE | 10/31 | Recitation Quiz 8 (Lessons 24 - 26) | |
| | WED | 11/1 | Lesson 28 17.3 Conservative V. Fields & the Fundamental Thm of Line Integrals | Reading: 17.3 Homework: HW 27 (Lesson 27) |
| | THU | 11/2 | | |
| | FRI | 11/3 | Lesson 29 17.4 Green's Theorem | Reading: 17.4 Homework: HW 28 (Lesson 28) |
| 12 | MON | 11/6 | Exam 2 Review | Reading: None Homework: HW 29 (Lesson 29) |
| | TUE | 11/7 | Recitation Exam 2 Review (No Quiz) | Exam 2: 8:00-9:00pm |
| | WED | 11/8 | Lesson 30 17.5 Divergence & Curl | Reading: 17.5 Homework: None |
| | THU | 11/9 | | |
| | FRI | 11/10 | Lesson 31 17.6 Surface Integrals, Part I | Reading: 17.6 Homework: HW29 (Lesson 29), HW 30 (Lesson 30) |

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| 13 | MON | 11/13 | Lesson 32 17.6 Surface Intergals, Part II | Reading: 17.6 Homework: HW 31 (Lesson 31) |
| | TUE | 11/14 | Recitation Quiz 9 (Lessons 28 - 30) | |
| | WED | 11/15 | Lesson 33 17.6 Surface Integrals, Part III | Reading: 17.6 Homework: HW 32 (Lesson 32) |
| | THU | 11/16 | | |
| | FRI | 11/17 | Lesson 34 17.7 Stokes' Theorem, Part I | Reading: 17.7 Homework: HW 33 (Lesson 33) |
| 14 | MON | 11/20 | No Class Class cancelled | Reading: None Homework: None |
| | TUE | 11/21 | No Recitation Class cancelled | Reading: None Homework: None |
| | WED | 11/22 | Thanksgiving Vacation No Lecture | Reading: None Homework: None |
| | THU | 11/23 | Thanksgiving Vacation | Reading: None Homework: None |
| | FRI | 11/24 | Thanksgiving Vacation No Lecture | Reading: None Homework: None |
| 15 | MON | 11/27 | Lesson 35 17.7 Stokes' Theorem, Part II | Reading: 17.7 Homework: HW 34 (Lesson 34) |
| | TUE | 11/28 | Recitation Quiz 10 (Lessons 31 - 33) | |
| | WED | 11/29 | Lesson 36 17.8 The Divergence Theorem, Part I | Reading: 17.8 Homework: HW 35 (Lesson 35) |
| | THU | 11/30 | | |
| | FRI | 12/1 | Lesson 37 17.8 The Divergence Theorem, Part II | Reading: 17.8 Homework: HW 36 (Lesson 36) |

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| 16 | MON | 12/4 | Final Exam Review | Quiet Period The University mandates that there be no homework or quizzes due this week |
| | TUE | 12/5 | Recitation Optional: Quiz 11 (Lessons 35 - 37) | Homework Optional: HW 37 (Lesson 37) |
| | WED | 12/6 | Final Exam Review | Quiz 11 and HW 37 are optional and will not be graded. |
| | THU | 12/7 | | |
| | FRI | 12/8 | Final Exam Review | |
| 17 | MON | 12/11 | Final Exam Mon Dec 11 at 8:00am - 10:00am | |
| | TUE | 12/12 | | |
| | WED | 12/13 | | |
| | THU | 12/14 | | |
| | FRI | 12/15 | | |