

**MA 166 PWL Assignment Sheet Spring 2026**  
**(Version January 4, 2026)**

| Date   | Day | Lesson        | Topics to Cover                                                                                                                 | Section #          | due HW, Quiz     |
|--------|-----|---------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
| Jan.12 | M   | 1             | Vectors in the plane                                                                                                            | 13.1, 13.2         | ×                |
| Jan.14 | W   | 2             | Vectors in the 3-dimensional space<br>Geometry in the plane<br>Geometry in the 3-dimensional space<br>Lines and planes in space | 13.1, 13.2<br>13.5 | ×                |
| Jan.15 | Th  | Quiz 1        | covers Lessons 1, 2 (due Thurs., Jan.23)                                                                                        |                    | ×                |
| Jan.16 | F   | 3             | Dot Products                                                                                                                    | 13.3               |                  |
| Jan.19 | M   | ×             | No Lesson (MLK Day)                                                                                                             |                    | ×                |
| Jan.21 | W   | 4             | Cross Products<br>Application of the cross product                                                                              | 13.4               | HW Lessons 1,2,3 |
| Jan.22 | Th  | Quiz 2        | covers Lessons 3,4                                                                                                              | 6.2                | Quiz 1 & Quiz 2  |
| Jan.23 | F   | 5             | Area of the region between curves                                                                                               |                    | HW Lesson 4      |
| Jan.26 | M   | 6             | Volumes by slicing<br>Washer method                                                                                             | 6.3                | HW Lesson 5      |
| Jan.28 | W   | 7             | Volumes by shells<br>Shell method                                                                                               | 6.4                | HW Lesson 6      |
| Jan.29 | Th  | Quiz 3        | covers Lessons 5, 6, 7                                                                                                          |                    | Quiz 3           |
| Jan.30 | F   | 8             | Lengths of curves<br>Surface area                                                                                               | 6.5, 6.6           | HW Lesson 7      |
| Feb.2  | M   | 9             | Physical applications                                                                                                           | 6.7                | HW Lesson 8      |
| Feb.4  | W   | 10            | Integration by parts                                                                                                            | 8.2                | HW Lesson 9      |
| Feb.5  | Th  | ×             | Go over Study Guide for Exam 1                                                                                                  |                    | ×                |
| Feb.6  | F   | 11            | Trigonometric Integrals Part 1                                                                                                  | 8.3                | HW Lesson 10     |
| Feb.9  | M   | ×             | Review for Exam 1                                                                                                               |                    | ×                |
|        |     | <b>Exam 1</b> | <b>covers Lessons 1 - 10, 6:30 PM - 7:30 PM</b>                                                                                 |                    | ×                |
| Feb.11 | W   | 12            | Trigonometric Integrals Part 2                                                                                                  | 8.3                | HW Lesson 11     |
| Feb.12 | Th  | Quiz 4        | covers Lessons 8, 9, 10                                                                                                         |                    | Quiz 4           |
| Feb.13 | F   | ×             | No Class                                                                                                                        |                    | ×                |
| Feb.16 | M   | 13            | Trigonometric Substitutions Part 1                                                                                              | 8.4                | HW Lesson 12     |
| Feb.18 | W   | 14            | Trigonometric Substitutions Part 2                                                                                              | 8.4                | HW Lesson 13     |
| Feb.19 | Th  | Quiz 5        | covers Lessons 11, 12, 13, 14                                                                                                   |                    | Quiz 5           |
| Feb.20 | F   | 15            | Summary of Trig. Integ. & Trig. Sub.                                                                                            | 8.1, 8.2, 8.3, 8.4 | HW Lesson 14     |
| Feb.23 | M   | 16            | Partial Fractions Part 1                                                                                                        | 8.5                | HW Lesson 15     |
| Feb.25 | W   | 17            | Partial Fractions Part 2                                                                                                        | 8.5                | HW Lesson 16     |
| Feb.26 | Th  | Quiz 6        | covers Lessons 15, 16, 17                                                                                                       |                    | Quiz 6           |
| Feb.27 | F   | 18            | Improper Integrals                                                                                                              | 8.9                | HW Lesson 17     |
| Mar.2  | M   | 19            | Sequence and its limit                                                                                                          | 10.1, 10.2         | HW Lesson 18     |
| Mar.4  | W   | 20            | Introduction to the Series<br>(Telescoping Series)                                                                              | 10.1, 10.3         | HW Lesson 19     |
| Mar.5  | Th  |               | Go over Study Guide for Exam 2                                                                                                  |                    | ×                |
| Mar.6  | F   | 21            | Divergence Test                                                                                                                 | 10.4               | HW Lesson 20     |
| Mar.9  | M   | ×             | Review for Exam 2                                                                                                               |                    | ×                |
| Mar.10 | Tu  | <b>Exam 2</b> | <b>covers Lessons 11 - 20, 6:30 PM - 7:30 PM</b>                                                                                |                    | ×                |
| Mar.11 | W   | 22            | Integral Test & $p$ -series                                                                                                     | 10.5               | HW Lesson 21     |
| Mar.12 | Th  | Quiz 7        | covers Lessons 18, 19, 20                                                                                                       |                    | Quiz 7           |
| Mar.13 | F   | ×             | No Class                                                                                                                        |                    | ×                |

**MA 166 PWL Assignment Sheet Spring 2026**  
(continued)

| Date    | Day | Lesson        | Topics to Cover                                                    | Section #  | due HW, Quiz  |
|---------|-----|---------------|--------------------------------------------------------------------|------------|---------------|
| Mar.16  | M   | ×             | Spring Break                                                       |            | ×             |
| Mar.18  | W   | ×             | Spring Break                                                       |            | ×             |
| Mar.19  | Th  | ×             | Spring Break                                                       |            | ×             |
| Mar.20  | F   | ×             | Spring Break                                                       |            | ×             |
| Mar.23  | M   | 23            | Comparison Test                                                    | 10.5       | HW Lesson 22  |
|         |     |               | Limit Comparison Test                                              |            |               |
| Mar.25  | W   | 24            | Alternating Series Test                                            | 10.6       | HW Lesson 23  |
| Mar.26  | Th  | Quiz 8        | covers Lessons 21, 22, 23, 24                                      |            | Quiz 8        |
| Mar.27  | F   | 25            | Ratio Test & Root Test                                             | 10.7       | HW Lesson 24  |
| Mar.30  | M   | 26            | Choose a convergence test<br>(general strategy)                    | 10.8       | HW Lesson 25  |
| Apr.1   | W   | 27            | Taylor Series Part 1<br>(Approximating functions with polynomials) | 11.1, 11.3 | HW Lesson 26  |
| Apr.2   | Th  | Quiz 9        | covers Lessons 25, 26, 27                                          |            | Quiz 9        |
| Apr.3   | F   | 28            | Taylor Series Part 2                                               | 11.1, 11.3 | HW Lesson 27  |
| Apr.6   | M   | 29            | Properties of Power Series Part 1                                  | 11.2       | HW Lesson 28  |
| Apr.8   | W   | 30            | Summary of Taylor Series & Applications                            | 11.3, 11.4 | HW Lesson 29  |
| Apr.9   | Th  | ×             | Go over Study Guide for Exam 3                                     |            | ×             |
| Apr.10  | F   | 31            | Properties of Power Series Part 2                                  | 11.2, 11.4 | HW Lesson 30  |
| Apr. 13 | M   | ×             | Review for Exam 3                                                  |            | ×             |
|         |     | <b>Exam 3</b> | <b>covers Lessons 21 - 30, 6:30 PM - 7:30 PM</b>                   |            | ×             |
| Apr.15  | W   | ×             | No Class                                                           |            | ×             |
| Apr.16  | Th  | Quiz 10       | covers Lessons 28,29,30,31                                         |            | Quiz 10       |
| Apr.17  | F   | 32            | Polar Coordinates (Basics)                                         | 12.2       | HW Lesson 31  |
| Apr. 20 | M   | 33            | Calculus in polar coordinates Part 1                               | 12.3       | HW Lesson 32  |
| Apr.22  | W   | 34            | Calculus in polar coordinates Part 2                               | 12.3       | HW Lesson 33  |
| Apr.23  | Th  | Quiz 11       | covers Lessons 32, 33, 34                                          |            | Quiz 11       |
| Apr.24  | F   | 35            | Summary of Polar Coordinates                                       | 12.2, 12.3 | HW Lessons 34 |
| Apr.27  | M   | ×             | Review for Final Exam                                              |            | ×             |
| Apr.29  | W   | ×             | Review for Final Exam                                              |            | ×             |
| Apr.30  | Th  | ×             | Review for Final Exam                                              |            | ×             |
| May 1   | F   | ×             | Review for Final Exam                                              |            | ×             |

**Final Exam Week May 4 - May 9**