

# Math 122 - Fall 2025

| Week | Monday                                                  | Tuesday                 | Wednesday                                           | Friday                                                  |
|------|---------------------------------------------------------|-------------------------|-----------------------------------------------------|---------------------------------------------------------|
| 1    | 8/25<br>Review<br>352/21,25,45,53,57,61,69,73           | 8/26<br><b>Quiz 1</b>   | 8/27<br>Parts<br>405/5,9,13,23,45,51                | 8/29<br>Trig Integrals<br>413/3,9,13,35,37,47           |
| 2    | 9/1<br>Labor Day                                        | 9/2<br><b>Quiz 2</b>    | 9/3<br>Trig. Substitution<br>420/7,15,19,23,27,37   | 9/5<br>Hyperbolic Functions<br>425/3,7,11,17,25,29      |
| 3    | 9/8<br>Partial Fractions<br>434/5,9,15,21,31,37         | 9/9<br><b>Quiz 3</b>    | 9/10<br>Improper Integrals<br>450/5,17,23,27,33,39  | 9/12<br>Numerical Integration<br>461/1,3,7,13,17,19     |
| 4    | 9/15<br>Review                                          | 9/16<br><b>Test 1</b>   | 9/17<br>Probability<br>471/5,7,9,11                 | 9/19<br>Return Test 1                                   |
| 5    | 9/22<br>Arc Length<br>478/5,7,9,35,37,39                | 9/23<br><b>Quiz 4</b>   | 9/24<br>Fluid Pressure<br>484/1,3,5,7,11            | 9/26<br>Center of Mass<br>494/11,13,21,23               |
| 6    | 9/29<br>Differential Equations<br>506/13,17,21,33,35,39 | 9/30<br><b>Quiz 5</b>   | 10/1<br>$y' = k(y - b)$<br>514/5,7,9,17,19,21       | 10/3<br>Euler's Method<br>521/9,11,15,17,19             |
| 7    | 10/6<br>The Logistic Equation<br>527/3,5,7,11,13,15     | 10/7<br><b>Quiz 6</b>   | 10/8<br>First Order Equations<br>532/5,13,19,23,25  | 10/10<br>Applications of First Order<br>533/33,35,37,39 |
| 8    | 10/13<br>Review                                         | 10/14<br><b>Test 2</b>  | 10/15<br>Sequences<br>546/15,19,27,35,45,49,61      | 10/17<br>Series<br>557/3,11,17,25,37                    |
| 9    | 10/20<br>Fall Break                                     | 10/21<br>Fall Break     | 10/22<br>Integral Test<br>566/1,3,5,7,9,11          | 10/24<br>Comparison Test<br>567/17,19,21,23,25,27       |
| 10   | 10/27<br>Ratio and Root Test<br>579/3,5,9,11,13,37,39   | 10/28<br><b>Quiz 7</b>  | 10/29<br>Abs. and Cond. Conv.<br>574/3,5,7,27,29,33 | 10/31<br>Power Series<br>589/9,13,17,25,29,33           |
| 11   | 11/3<br>Taylor Polynomials<br>600/1,5,9,19,31,41        | 11/4<br><b>Quiz 8</b>   | 11/5<br>Taylor Series<br>613/7,9,15,23,29,49        | 11/7<br>Parametric Equations<br>626/3,7,15,23,51,69     |
| 12   | 11/10<br>Arc Length<br>636/1,3,7,15,17                  | 11/11<br><b>Quiz 9</b>  | 11/12<br>Polar Coordinates<br>643/1,3,5,11,21,39    | 11/14<br>Area in Polar<br>649/5,7,11,21,25              |
| 13   | 11/17<br>Review                                         | 11/18<br><b>Test 3</b>  | 11/19<br>Vectors<br>677/5,9,29,47; 687/1,3,5,15,19  | 11/21<br>Lines<br>688/43,45,47,49,51,53                 |
| 14   | 11/24<br>Dot Product<br>696/3,5,13,19,27,29,59,65       | 11/25<br><b>Quiz 10</b> | 11/26<br>Return Quiz 10                             | 11/28<br>Thanksgiving Break                             |
| 15   | 12/1<br>Cross Product<br>708/9,11,17,41,43              | 12/2<br><b>Quiz 11</b>  | 12/3<br>Planes<br>716/13,17,21,23,33,35             | 12/5<br>Review                                          |
| 16   | 12/8<br>Math Gala                                       | 12/9<br><b>Final</b>    |                                                     |                                                         |