**Math 141 Pacing Schedule** (tentative)

This pacing schedule is for the Stewart text, Algebra and Trigonometry (3 edition). For those instructors who prefer the unit circle approach to the right angle approach to trigonometry, they may substitute Chapter 7 for Chapter 6 in the pacing schedule below.

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| **Lecture** | **Section(s)** | **Topic(s)** |
| 1 | 5.1,5.2 | Exponential functions, the natural exponential |
| 2 | 5.3 | Logarithmic functions |
| 3 | 5.4 | Laws of Logarithms |
| 4 | 5.5 | Exponential and Logarithmic Equations |
| 5 | 6.1 | Angle Measure |
| 6 | 6.2 | Trigonometry of Right Triangles |
| 7 | 6.2, 6.3 | Trigonometry of Right Triangles, Trigonometric functions of right triangles |
| 8 | 6.3 | Trigonometric functions of right triangles |
| 9 | Review for exam |  |
| 10 | Exam 1 |  |
| 11 | 6.4 | Inverse Trigonometric Functions |
| 12 | 6.5 | The Law of Sines and the law of Cosines |
| 13 | 7.1, 7.2, 7.3 | The unit circle approach to trigonometry and introduction to trigonometric graphs |
| 14 | 7.4 | More trigonometric graphs |
| 15 | 8.1 | Introduction to trigonometric identities |
| 16 | 8.2, 8.3 | Addition and Subtraction formulas, Double Angle formulas |
| 17 | Review for exam |  |
| 18 | Exam 2 |  |
| 19 | 8.3, 8.4 | Half Angle formulas, trigonometric equations |
| 20 | 9.1, 9.2 | Polar Coordinates, Graphs of Polar Coordinates |
| 21 | 9.2, 9.4 | Graphs of Polar Coordinates, Plane curves and Parametric Equations |
| 22 | 10.1, 10.2 | Vectors in two dimensions, the dot product |
| 23 | 10.3 | Three-Dimensional Coordinate Geometry |
| 24 | 10.4, 10.5 | Vectors in three dimensions, the cross product |
| 25 | 10.6 | Equations of Lines and Planes |
| 26 | Review for exam |  |
| 27 | Exam III |  |
| 28 | Review for final exam |  |