Tentative Schedule

Trigonometry

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| **Number** | **Lesson Title** | **Sections** |
| 1 | Angles, Radians, Arc Length | 2.1 |
| 2 | Area of a Sector, Linear and Angular Speed | 2.1 |
| 3 | The Unit Circle, Trigonometric Functions, Exact Values | 2.2 |
| 4 | Properties of the Trigonometric Functions | 2.3 |
| 5 | Graphs of the Trigonometric Functions, Period and Amplitude | 2.4, 2.5 |
| 6 | Phase Shift, Sinusoidal Curve Fitting | 2.6 |
| 7 | Inverse Sine, Cosine, and Tangent Functions | 3.1 |
| 8 | More Inverse Trigonometric Functions | 3.2 |
| 9 | Trigonometric Equations | 3.3 |
| 10 | Trigonometric Identities | 3.4 |
| 11 | Sum and Difference Formulas | 3.5 |
| 12 | Double-Angle and Half-Angle Formulas | 3.6 |
| 13 | Other Trigonometric Identities | 3.7 |
| 14 | Right Triangle Trigonometry, Solving Triangles | 4.1 |
| 15 | Right Triangle Applications | 4.1 |
| 16 | Law of Sines | 4.2 |
| 17 | Law of Cosines | 4.3 |
| 18 | Oblique Triangle Applications | 4.2, 4.3 |
| 19 | Polar Coordinates | 5.1 |
| 20 | Polar Equations and Graphs | 5.2 |
| 21 | Complex Numbers, Polar Form | 5.3 |
| 22 | Multiplying Complex Numbers in Polar Form | 5.3 |
| 23 | Complex Roots | 5.3 |
| 24 | Geometric Vectors | 5.4 |
| 25 | Algebraic Vectors | 5.4 |
| 26 | Applications of Vectors | 5.4 |
| 27 | Review for Final |  |
| 28 | Review for Final |  |
| 29 | Additional Review |  |
| 30 | Additional Review |  |

**Note:** Due to the ITV delivery of the course, all exams will be in a testing center outside of class time.

Exam 1 – Lessons 1 – 6Exam 2 – Lessons 7 – 13Exam 3 – Lessons 14 – 20