

# MATH 1060\_USU

## Guide

| C (63 Days)                  |                                                      |                                                            |                            |
|------------------------------|------------------------------------------------------|------------------------------------------------------------|----------------------------|
| Resource(s)/<br>Chapter(s)   | Focus/Topic                                          | Standard(s)                                                | Duration of<br>Instruction |
| Lesson 1<br>Guided<br>Notes  | Angles and Their Measurements                        | SEC MATH III:<br>F.TF.1                                    | 2 Days                     |
| Lesson 2<br>Guided<br>Notes  | Trigonometric Functions (Right Triangle Definitions) | SEC MATH II:<br>G.SRT.8                                    | 2 Days                     |
| Lesson 3<br>Guided<br>Notes  | Trigonometric Functions and The Unit Circle          | SEC MATH III:<br>F.TF.2<br>F.TF.3                          | 3 Days                     |
| Lesson 4<br>Guided<br>Notes  | Graphs of Other Sines and Cosines                    | SEC MATH III:<br>F.TF.5                                    | 2 Days                     |
| Lesson 5<br>Guided<br>Notes  | Graphs of Other Trigonometric Functions              | SEC MATH III:<br>F.TF.6                                    | 3 Days                     |
| Lesson 6<br>Guided<br>Notes  | Inverse Trigonometric Functions                      | SEC MATH III:<br>F.TF.6<br>F.TF.7                          | 4 Days                     |
|                              | Review for Competency-Based Exam 1                   |                                                            | 2 Days                     |
|                              | Competency-Based Exam 1                              |                                                            | 1 Day                      |
| Lesson 7<br>Guided<br>Notes  | Fundamental Identities                               | SEC MATH II:<br>G.SRT.7                                    | 5 Days                     |
| Lesson 8<br>Guided<br>Notes  | Sum and Difference Formula                           | SEC MATH III:<br>F.TF.9                                    | 2 Days                     |
| Lesson 9<br>Guided<br>Notes  | Product Sum Identities                               |                                                            | 4 Days                     |
| Lesson 10<br>Guided<br>Notes | Trigonometric Equations                              | SEC MATH III:<br>F.TF.9                                    | 3 Days                     |
|                              | Review for Competency-Based Exam 2                   |                                                            | 2 Days                     |
|                              | Competency-Based Exam 2                              |                                                            | 1 Day                      |
| Lesson 11                    | Law of Sines                                         | SEC MATH III:<br>G.SRT.9<br>G.SRT.10<br>G.SRT.11           | 2 Days                     |
| Lesson 12                    | Law of Cosines                                       | SEC MATH III:<br>G.SRT.10<br>G.SRT.11                      | 1 Day                      |
| Lesson 15                    | Vectors in the Cartesian Plane                       | PRECALC:<br>N.VM.1<br>N.VM.2<br>N.VM.3<br>N.VM.4<br>N.VM.5 | 4 Days                     |
| Lesson 13                    | Polar Coordinates and Polar Equations                | PRECALC:<br>N.CN.10                                        | 4 Days                     |
| Lesson 14                    | Parametric Equations                                 | PRECALC:<br>F.IF.7                                         | 4 Days                     |
|                              | Review for Competency-Based Exam 3                   |                                                            | 2 Days                     |

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|  | Competency-Based Exam 3             |  | 1 Day  |
|  | Review for Competency-Based Exam 4  |  | 3 Days |
|  | Competency-Based Exam 4             |  | 1 Day  |
|  | Retakes for Competency-Based Exam 4 |  | 1 Day  |

\*4 Extra Days