***MAC 1105– College Algebra***

***Sullivan 10th Edition***

***Suggested Time Line—Fall 2017—Full Term Version***

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| ***Week***  ***#*** | ***Dates (M-S)*** | ***Textbook Sections Covered*** | ***Sections/Topics Covered*** | ***Notes*** |
| 1 | August  28- Sept 3 | 1.5, 1.6 | 1.5 Solving Inequalities  1.6 Equations and Inequalities involving Absolute Values | Introductions  Cover Chapter 1 |
| 2 | Sept 4 - 10 | 2.1, 2.2 | ***Chapter 1 Assessment (Quiz or Exam)***  2.1 Distance and Midpoint Formula  2.2 Graphs of Equations in Two Variables;  Intercepts; Symmetry | ***No Monday Classes (Holiday)***  ***Chapter 1 Assessment (Quiz or Exam)*** Start Chapter 2 |
| 3 | Sept 11 - 17 | 2.3, 2.4, 2.5 | 2.3 Lines  2.4 Circles  2.5 Variation | Continue Chapter 2 |
| 4 | Sept 18 - 24 | 4.1, 4.2 | ***Chapter 2 Assessment (Exam)***  4.1 Linear Functions and Their Properties  4.2 Building Linear Models | ***Chapter 2 Assessment (Exam)***  Start Chapter 4 |
| 5 | Sept 25 - Oct 1 | 4.3, 4.4 | 4.3 Quadratic Functions and Their Properties  4.4 Building Quadratic Models ***Chapter 4 Assessment (Exam)*** | ***Chapter 4 Assessment (Exam)*** |
| 6 | October  2 - 8 | 3.1, 3.2, 3.3 | 3.1 Functions  3.2 The Graph of a Function  3.3 Properties of Functions | Start Chapter 3 |
| 7 | October  9 - 15 | 3.4 | 3.4 Library of Functions;  Piecewise-defined Functions | Continue Chapter 3  ***No Thursday Classes (College Night)*** |
| 8 | October  16 - 22 | 3.5, 3.6, 6.1 | 3.5 Graphing Techniques: Transformations  3.6 Mathematical Models: Building Functions ***Chapter 3 Assessment (Exam)***  6.1 Composite Functions | ***Chapter 3 Assessment (Exam)*** Start Chapter 6 |
| 9 | Oct  23 – 29 | 6.2, 6.3, 6.4 | 6.2 Inverse Functions  6.3 Exponential Functions  6.4 Logarithmic Functions | Continue Chapter 6 |
| 10 | Oct 30 - Nov 5 | 6.5, 6.6 | ***Chapter 6 Assessment Part 1 (6.1 – 6.4)***  6.5 Properties of Logarithms  6.6 Logarithmic and Exponential Equations | ***Chapter 6 Assessment Part 1 (6.1 – 6.4)*** Continue Chapter 6 |
| 11 | Nov  6 - 12 | 6.7, 6.8, 5.1 | 6.7 Financial Models  6.8 Exponential Growth and Decay Models ***Chapter 6 Assessment Part 2 (6.5 – 6.8)***  5.1 Polynomial Functions and Models | ***Chapter 6 Assessment Part 2 (6.5 – 6.8)***  Start Chapter 5 |
| 12 | Nov  13 - 19 | 5.2  (5.3 – 5.5 overview if time permits) | 5.2 Properties of Rational Functions  ***Sections 5.3 – 5.5 should be overviewed only if time permits***  5.3 Graphs of Rational Functions  5.4 Polynomial and Rational Inequalities  5.5 The Real Zeros of Polynomial Functions | Continue Chapter 5 |
| 13 | Nov  20 - 26 |  | ***Chapter 5 Assessment (Exam)*** | ***Chapter 5 Assessment (Exam)***  ***No Classes (Holiday)***  ***Wednesday - Sunday*** |
| 14 | Nov 27  – Dec 3 | 8.1, 8.6, 8.7 | 8.1 Systems of Linear Equations:  Substitution and Elimination  8.6 Systems of Non-Linear Equations  8.7 Systems of Inequalities | Cover Chapter 8 |
| 15 | Dec  4 - 10 |  | Finish Chapter 8  Review for Chapter 8 Exam  ***Chapter 8 Assessment (Exam)***  Review for Final Exam | Finish Chapter 8  ***Chapter 8 Assessment (Exam)***  Review for Final Exam |
|  | Dec  11 - 17 | Finals Week |  |  |

***Labor Day (National Holiday) -- Monday, September 4, 2017 (Week #2)***

***College Night (School ) – Thursday, October 12, 2017 (Week #6)***

***Thanksgiving Break (Wed, November 22 – Sun, November 26, 2017)***

***This Timeline/Schedule is subject to change at any time by your classroom instructor.***