***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.***