UNIT 1 LIMITS

Course Section	**Textbook Reading/Practice Problems** Text: Ziegler. *College Mathematics for Business*, 13th
Intro: Linear Equations and Factoring	Chapter 1.2 pg24: 45 – 51 odd, 53 – 59 odd (a & c part only)
1.1 Finding Limits Graphically	Chapter 10.1 pg499: 1 – 45 odd
1.2 Finding Limits Algebraically and Infinite Limits	Chapter 10.1 pg500: 51 – 65 odd, 73 – 83 odd, 84, 85, 91, 99 and Chapter 10.2 pg511: 1 – 49 odd, 51 – 75 odd, 85, 89, 91
1.3 Continuity	Chapter 10.3 pg522: 1 – 8 odd, 15 – 75 odd, 89
1.4 Definition of the Derivative	Chapter 10.4 pg537: 19 – 31 odd, 33 – 41 odd (use calculator for the last three parts of the problem), 43 – 63 odd, 67, 69, 71 – 76 (all graphically), 79, 83, 85
1.5 Derivatives: The Power Rule	Chapter 10.5 pg547: 1 – 25 odd, 33 – 55 odd, 57 – 60 all, 61 – 73 odd, 77 – 81 odd, 89 – 97 odd
1.6 Marginal Analysis in Business and Economics	Chapter 10.7 pg564: 1 – 53 odd

UNIT 2 DERIVATIVES

Course Section	**Textbook Reading/Practice Problems** Text: Ziegler. *College Mathematics for Business*, 13th
2.1 Exponential and Logarithmic Function Applications	Chapter 11.1 pg579: 1 – 19 odd, 25 – 29 odd, 33, 35, 41
2.2 Derivatives of Exponential and Logarithmic Functions	Chapter 11.2 pg588: 1 – 43 odd, 47, 51, 55 – 59 odd, 67, 70, 71
2.3 Derivatives of Products	Chapter 11.3 pg595: 1 – 33 odd, 47 – 63 odd, 67 – 73 odd
2.4 Derivatives of Quotients	Chapter 11.4 pg596: 77 – 89 odd, 93 – 97 odd
2.5 The Chain Rule	Chapter 11.4 pg605: 9 – 71 odd, 91 – 95 odd

UNIT 3 APPLICATIONS OF DERIVATIVES

Course Section	Textbook Reading/Practice Problems Text: Ziegler. *College Mathematics for Business*, 13th
3.2 The First Derivative Test	Chapter 12.1 pg643: 1 – 25 all, 27 – 59 odd, 69 – 74 all, 75 – 97 odd
3.3 The Second Derivative Test	Chapter 12.2 pg660: 13 – 16 all, 17 – 39 odd, 49, 53, 55, 59, 63 – 69 odd, 75 – 81 odd, 87 – 91 odd
3.4 Summary of Curve Sketching	Chapter 12.4 pg684: 19 – 57 eoo, 83c, 85b, 87
3.5 Absolute Extrema	Chapter 12.5 pg693: 1 – 71 odd
3.6 Introduction to Optimization	Chapter 12.6 pg704: 19 – 31 odd, 35 – 39 odd, 45 – 49 odd

UNIT 4 INTEGRALS

Course Section	**Textbook Reading/Practice Problems** Text: Ziegler. *College Mathematics for Business*, 13th
4.1 Area by Sums	Chapter 13.4 pg754: 7-17all, 31 – 41 all
4.2 The Fundamental Theorem of Calculus	Chapter 13.5 pg765: 3, 5, 13 – 47 odd, 57 – 65 odd, 69, 71, 75, 87
4.3 Indefinite Integrals	Chapter 13.1 pg722: 1 – 19 odd, 21, 23, 27, 29, 31, 39 – 42 all, 43 – 69 odd, , 81, 85, 91, 93
4.4 Integration by Substitution	Chapter 13.2 pg735: 9 – 13 odd, 19 – 25 odd, 33 – 41 odd, 45 – 49 odd, 71 – 87 odd
4.5 The Area Between Curves	Chapter 14.1 pg782: 9 – 13 all, 15 – 27 odd, 33-49odd, 55, 57, 65 – 75 odd, 85, 87, 89