

MATH 1426 Calculus 1
Tentative Course Schedule/Assignment Sheet
Calculus: Early Transcendentals by Soo Tan

Aug. 23:	1.1: Intuitive Introduction to Limits 1, 2, 3, 4, 5, 6, 7, 8, 11, 17, 18, 20, 21, 22, 31, 33
Aug. 26 to	1.2: Techniques for Finding Limits 23, 24, 25, 26, 27, 28, 31, 32, 33, 34, 35, 36, 37, 38, 48, 49, 55, 56, 60, 65, 68, 70, 75, 77, 86, 93, 99, 100, 101
Aug. 30:	1.4: Continuous Functions 3, 4, 8, 10, 15, 16, 23, 27, 29, 34, 35, 41, 42, 49, 50, 54, 56, 59, 63, 96
Sept. 4 to	1.5: Tangent Lines & Rates of Change 1, 5, 6, 9, 14, 18, 20, 22, 29, 41-44
Sept. 6	2.1: The Derivative 4, 6, 9, 13, 17, 20, 25, 26, 27, 28, 29, 30, 33, 34, 35, 39, 44, 45, 46, 50, 51, 57, 60
Sept. 9 to	2.2: Basic Rules of Differentiation 2, 7, 19, 26, 30, 32, 34, 35a, 38a, 39, 42, 57, 58, 74
Sept. 13	2.3: The Product and Quotient Rules 1, 4, 8, 9, 14, 18, 23, 24, 28, 32, 33, 37, 45, 48, 50, 57, 61, 63, 69
Sept. 16-18	2.4: The Role of the Derivative in the Real World 3, 7, 12, 16, 17, 22, 26, 33, 34
Sept. 20	Review
Sept. 23 to	2.5: Derivatives of Trigonometric Functions 3, 6, 9, 15, 18, 19, 22, 26, 28, 32a, 33, 36, 37, 40, 43, 52
Sept. 27	2.6: The Chain Rule 1, 3, 5, 10, 12, 17, 19, 20, 30, 43, 48, 61, 62, 63, 64, 71a, 73, 74, 78, 80, 85, 87a, 94, 111
Sept. 30 to	2.7: Implicit Differentiation 5, 8, 16, 21, 26, 28, 36, 37, 42, 46, 47, 59, 65, 75, 76, 91
Oct. 4	2.8: Derivatives of Logarithmic Functions 6, 7, 13, 18, 26, 31, 33, 34, 40, 43, 48, 54
Oct. 7 to	2.9: Related Rates 3, 6, 8, 9, 14, 16, 18, 24, 25, 26, 28, 29
Oct. 11	2.10: Differentials and Linear Approximation 2, 3, 8, 10, 13, 19, 22, 25, 27, 30, 33, 42, 45
Oct. 14 to	3.1: Extrema of Functions 1, 2, 4, 13, 16, 17, 21, 23, 26, 30, 37, 39, 42, 48, 51, 52, 59, 66, 67, 70, 79
	3.2: The Mean Value Theorem: 4, 8, 11, 12, 16, 18, 20, 21, 24, 26, 27, 36, 50, 51
Oct. 18	3.3: Increasing & Decreasing Functions & the First Derivative Test 3, 4, 6, 7, 8, 9, 14, 15, 17, 22, 27, 32, 35, 42, 43, 47, 56, 58, 59, 63, 75
Oct. 21-23	3.5: Limits Involving Infinity; Asymptotes 2, 11, 14, 21, 23, 24, 30, 35, 39, 51, 54, 56, 57, 60, 62, 68, 89
	3.8: Indeterminate Forms and L'Hôpital's Rule 2, 3, 5, 6, 10, 14, 15, 24, 31, 32, 38, 39, 49, 50, 51, 57, 58
Oct. 25	Review
Oct. 28 to	3.4: Concavity and Inflection Points 2, 4, 7, 8, 9, 10, 13, 22, 27, 38, 42, 52, 53, 56, 61, 64, 66, 75
Nov. 1	3.6: Curve Sketching 4, 9, 15, 18, 24, 26, 41, 42, 46, 50
Nov. 4 to	3.7: Optimization Problems 3, 4, 8, 13, 15, 21, 28, 33, 34, 46, 57, 67
Nov. 8	4.1: Indefinite Integrals 7, 9, 14, 19, 21, 24, 29, 40, 41, 46, 48, 54, 58, 65, 67, 68, 70, 71, 75
	4.2: Integration by Substitution 3, 4, 6, 11, 13, 17, 18, 19, 24, 29, 33, 36, 41, 47, 52, 65, 67, 76, 77, 86, 87
Nov. 11 to	4.3: Area 2, 8, 15, 20, 22, 25, 29, 39, 42, 50, 52, 59
Nov. 15	4.4: The Definite Integral 1, 4, 8, 9, 13, 16, 18, 20, 24, 27, 31, 32, 63, 64, 65, 66, 67, 70
Nov. 18	4.5: The Fundamental Theorem of Calculus 1, 3, 7, 9, 14, 18, 19, 21, 22, 24, 31, 32, 34, 35, 43, 46, 51, 54, 57, 58, 60, 62, 69, 76, 79, 85, 93, 97, 99
Nov. 22	4.6: Numerical Integration 1, 4, 6, 7, 21, 27, 44, 45
Nov. 25-27	5.1: Areas between Curves 2, 4, 6, 9, 15, 23, 24, 26, 28, 32, 33, 34, 35, 38, 40
Dec. 2-4	Review
Optional	1.3: A Precise Definition of Limit Concept Questions 1, 2, 3, 4 Exercises 3, 5, 8, 13, 14, 21, 23, 28, 31, 32, 33, 34