Summer Session II, 2019 - Math 2B Suggested Syllabus

Text: Calculus: Early Transcendentals, Stewart, 8th Edition

LECTURE	DATE	SECTION	TOPIC(S)
1	8/5	4.9, 5.1	Antiderivatives Review Area and Distance
2	8/7	5.2, 5.3	Definite Integral The Fundamental Theorem of Calculus
3	8/9	5.4, 5.5	Indefinite Integral and Net Change Theorem Substitution Rule
4	8/12	6.1, 6.2	Area Between Curves Volume by Slices (begin)
5	8/14	6.2, 6.5	Volume by Slices (end) Average Value
6	8/16	7.1, 7.2	Integration by Parts Trigonometric Integrals
7	8/19	7.3, 7.4	Trig Substitutions Method of Partial Fractions
8	8/21	7.5, 7.8	Strategy for Integration Improper Integrals
9	8/23	11.1	**Midterm Exam** Sequences
10	8/26	11.2	Series
11	8/28	11.3, 11.4	Integral Test Comparison Tests
12	8/30	11.5, 11.6	Alternating series test Absolute convergence Ratio & Root tests
13	9/4	11.7, 11.8	Strategy for Testing Series Power series (begin)
14	9/6	11.8, 11.9	Power series (end) Representing functions as Power series
15	9/9	11.10	Taylor series and Maclaurin series **Review for the Final on 9/11**