Math 20A Lecture Schedule

Lecture	Text Section	Topic
1. M 8/2/21	Chapter 1	Precalculus Review
2. Tu 8/3/21	2.1, 2.2, 2.3	Limits, Investigating Limits, Limit Laws
3. W 8/4/21	2.4, 2.5, 2.7	Limits and Continuity, Indeterminant Forms, Limits at Infinity
4. M 8/9/21	2.6, 2.8	Trigonometric Limits, Intermediate Value Theorem
5. Tu 8/10/21	3.1, 3.2, 3.3	Definition of the Derivative, The Derivative as a Function, Product and Quotient Rules
6. W 8/11/21	3.4, 3.5, 3.7	Rates of Change, Higher Derivatives, The Chain Rule
7. M 8/16/21	3.8, 3.6, 3.9	Implicit Differentiation; Trigonometric, Exponential, and Logarithmic Functions
8. Tu 8/17/21	3.10, 4.1, 4.2	Related Rates, Linear Approximation, Extreme Values
9. W 8/18/21		Catch-up / Review (MIDTERM 1)
10. M 8/23/21	4.3, 4.4	The Mean Value Theorem and Monotonicity, The Second Derivative and Concavity
11. Tu 8/24/21	4.5, 4.6, 4.7	L'Hôpital's Rule, Analyzing Graphs, Optimization
12. W 8/25/21	5.1, 5.2	Approximating Area, The Definite Integral
13. M 8/30/21		Catch-up / Review (MIDTERM 2)
14. Tu 8/31/21	5.3, 5.4	Indefinite Integrals, The Fundamental Theorem of Calculus I
15. W 9/1/21	5.4, 5.5	FTC I continued, The Fundamental Theorem of Calculus II
16. M 9/6/21	NO CLASS	NO CLASS – Labor Day Holiday
17. Tu 9/7/21	*	*An Elementary Introduction to Differential Equations
18. W 9/8/21		Catch-up / Review (before Final)

* This introductory lecture on differential equations will not be tested on the final (or homework) and just serves to be a fun introduction to one of the most important applications of differential calculus

Note:

- This schedule is tentative and subject to change, depending on the pace of the lectures.
- Prior to the exams, I will discuss what sections may be tested on the exams. Roughly, Midterm 1 will be on Chapter 2 and the early parts of Chapter 3; Midterm 2 will be on the later part of Chapter 3 and Chapter 4; the Final will cover all of the material (other than the extra lecture on differential equations).