Math 250 Briggs 2/e Overview

Chapter 1 Functions 1.1 – 1.3

Almost entirely review, but some concepts used in calculus ways you may not have seen or with more depth of detail.

Chapter 2 Limits 2.1 – 2.7

The conceptual foundation for calculus.
Some very abstract concepts & definitions.
Notation is unusual but absolutely critical to communicating mathematics correctly.

Chapter 3 Derivatives 3.1 – 3.9

The essential "meat" of calc I.
If you don't master chap 3 by end of term you must fail Calc I because you'll have no chance of getting calc II.

Chapter 4 Applications of the Derivative 4.1 – 4.6, 4.8, 4.9 (not 4.7)

How rates of change can be used.

Chapter 5 Integration 5.1 – 5.5

"Un-doing" the derivative, how it relates to area.

Chapter 6 Applications of Integration 6.1 – 6.4

How integrals can be used.

Chapter 7 Logarithmic & Exponential Functions 7.1 – 7.4

Do all the calculus concepts for e^x, b^x, $\ln(x)$, $\log_b(x)$

continue in this book for Calculus II.