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Calculus: Early Transcendental Functions (6th ed.) Stewart

Week of 8/31:

Chapter 1 (review on your own)
Motion, Speed & Velocity
Average velocity
Instantaneous velocity

Week of 9/7:

Labor Day

Wednesday is the last day to Add/Drop/Audit
Slopes (secants and tangents)
Average rate of change
Instantaneous rate of change
Limits
Continuity

Week of 9/14:

More on limits
Derivatives
Derivative as a function

Week of 9/21:

Algebraic techniques: Polynomials
Exponentials
Exam I

Week of 9/28:

Product rule
Trigonometric functions
Chain rule

Week of 10/5:

Exponential & logarithmic functions
Wednesday is the pass/fail deadline
Implicit functions
Applications

Week of 10/12:

Columbus Day

Tuesday follows Monday schedule

Related rates

Exam II

Week of 10/19:

Linear approximations

Hyperbolic functions

Wednesday marks mid-semester

Maxima and minima

Week of 10/26:

Mean Value Theorem

Derivatives and graphs

l'Hôpital's rule for indeterminate forms

Week of 11/2:

Curve sketching

Optimization

Newton's Method

Week of 11/9:

Veterans' Day

Thursday is the withdrawal deadline

Estimating distance travelled

Exam III

Week of 11/16:

Area

Definite integral

Week of 11/23:

The Fundamental Theorem of Calculus

Thanksgiving

Week of 11/30:

Indefinite integrals

Anti-derivatives

Week of 12/7:

Applications

Integration techniques: Substitution

Week of 12/1:

Monday is last class

Exam IV