

Textbook: E. Herman, G. Strang - Calculus, Volume 1, www.openstax.org

Limits and Derivatives (5 sessions)

154 # 30-33 all, 35, 38, 42
 WW Limits-Introduction 5-7 all
 Quiz 1 Wed 1/29
 176 # 83-105 odd
 WW Limits-Analytic 1, 3
 Quiz 2 Mon 2/3
 191 # 131-135 all, 137-147 odd
 WW Limits-Continuity 1, 2
 Quiz 3 Wed 2/5
 228 # 1, 3, 11-17 odd, 21-25 odd
 WW Derivatives-Limit Definition
 1, 2, 4, 5, 6
 Quiz 4 Mon 2/10

EXAM 1 Wed 2/19

Derivatives of Functions I
 (5 sessions)

243 # 54, 55, 57, 58, 59, 61, 62
 Quiz 5 Mon 2/24
 263 # 107, 110, 112, 115, 116, 117
 WW DerivativeFunction 1-4 all
 WW Derivatives-ProductQuotient
 1-5 all
 Quiz 6 Wed 2/26
 273 # 153, 155, 156, 157
 Quiz 7 Mon 3/2
 285 # 177, 179, 185, 187
 WW Derivatives-Trigonometric
 1, 4, 6, 8
 Quiz 8 Wed 3/4

EXAM 2 Mon 3/9

Derivatives of Functions II
 (6 sessions)

297 # 215, 221, 222, 229, 237
 WW Derivatives-Chain-Rule
 1-5 all, 7, 8, 11, 12

Quiz 9 Wed 3/11
 306 # 265, 267, 279, 280, 281, 283
 WW Derivatives-InverseTrig
 1-3 all, 5-7 all
 Quiz 10 Mon 3/16
 317 # 300-303 all, 309, 313, 315, 319
 WW Implicit Differentiation
 1-4 all, 6-8 all
 Quiz 11 Wed 3/18
 331 # 331, 337, 340, 341, 346, 347, 351
 WW Derivatives-Exponential-Logs
 3, 4, 8, 9, 10
 Quiz 12 Mon 3/23
 350 # 1-5 odd, 10, 17, 19, 20, 21, 25, 29
 WW Related Rates 1-11 all
 Quiz 13 Wed 3/25

EXAM 3 Mon 3/30

Applications of the Derivative
 (7 sessions)

364 # 62, 63, 67, 68, 69, 70, 72, 73, 74
 WW Linear Approximation 1-10 all
 Quiz 14 Wed 4/1
 376 # 108, 110, 113, 119, 122, 124, 129,
 130
 WW Extreme Values 1-10 all
 Quiz 15 Mon 4/6
 388 # 153, 155, 157, 161, 164, 165, 168,
 171, 174, 176, 179, 186, 187, 188
 Quiz 16 Tue 4/7
 405 # 223, 224, 225, 229
 WW Monotonicity 2-12 all
 WW Shape of Graphs 1, 5
 Quiz 17 Mon 4/20
 436 # 271, 273, 274, 279, 281, 298
 WW Limits-Infinite 1-5 all
 Quiz 18 Wed 4/22
 451 # 315, 316, 318-321 all, 335, 336
 WW Optimization 1-3 all, 5-9 all,
 11
 Quiz 19 Mon 4/27

EXAM 4 Wed 4/29

Integration (5 sessions)

470 # 356,362,367,377,387

WW LHopitalsRule 1,2,5,7,15

Quiz 20 Mon 5/4

497 # 465,468-471 all, 473,475,
476,477,481,482,490-493 all,
499,500,502

WW AntiderivativesDefinIntegrals

1-5 all, 8, 10, 11-19 all

Quiz 21 Wed 5/6

545 # 72,73,76,77,80,81,88,89,91,
93

WW AntiderivativesDefinIntegrals

9

Quiz 22 Mon 5/11

562 # 149,151,153,170,171,
177,182,183

WW FundamentalTheoremCalculus

1-11 all

Quiz 23 Wed 5/13

EXAM 5 Mon 5/18

FINAL EXAMINATION Wed 5/20