Course Calendar, Math 131A-3 Analysis, Winter 2018

Burt Totaro

MWF 1 - 1:50 in MS 5138
Text: *Elementary Analysis: The Theory of Calculus* by Kenneth A. Ross

Day	Month	Date	Section of book
M	Jan	8	1. Induction and rational numbers.
W	Jan	10	2
F	Jan	12	3. Real numbers, least upper bound axiom, $\pm\infty$.
M	Jan	15	Martin Luther King holiday: no class
W	Jan	17	4
F	Jan	19	5
M	Jan	22	7. Limits of sequences, limit theorems.
W	Jan	24	8
F	Jan	26	9/Catch up/Review
M	Jan	29	Midterm 1
W	Jan	31	10. Monotone sequences, Cauchy sequences.
F	Feb	2	10, 11. Subsequences, Bolzano-Weierstrass, lim sup and lim inf.
M	Feb	5	11, 12
W	Feb	7	14. Convergence tests, continuous functions.
F	Feb	9	14, 15
M	Feb	12	17
W	Feb	14	18. Limit theorems, uniform continuity.
F	Feb	16	19
M	Feb	19	Presidents' Day: no class
W	Feb	21	20/Catch up/Review.
F	Feb	23	Midterm 2
M	Feb	26	20, 28. The derivative.
W	Feb	28	28
F	Mar	2	29. Mean value theorem.
M	Mar	5	31. Taylor's theorem, Riemann integral.
W	Mar	7	31, 32
F	Mar	9	32, 33
M	Mar	12	33
W	Mar	14	34. Fundamental theorem of calculus.
F	Mar	16	Review (last day of class)
F	Mar	23	Final Exam: 8 AM - 11 AM

The dates listed for sections of the book are only approximate.