Tentative Schedule for MATH 131A:

Monday (Lecture)	Wednesday (Lecture)	Friday (Lecture)
Jan 9th **1** Introduction: "Why analysis?"	11th **2** Rational numbers and induction Sections 1 and 2	13th **3** Ordered fields Section 3 Homework 1 available on ccle
16th Martin Luther King Day, No class	18th **4** Real Numbers and the Completeness Axiom Sections 4	20th **5** Dealing with ∞ Section 5 Homework 1 due, Homework 2 available on ccle
23rd **6** Limits of sequences Section 7	25th **7** Limits of sequences and a discussion about proofs Sections 7 and 8	27th **8** Limit theorems for sequences Section 9 Homework 2 due, Homework 3 available on ccle
30th **9** Limit theorems for sequences cont'd Section 9 Midterm 1 (from 6:00-7:50PM in WGYoung CS24)	Feb 1st **10** Monotone sequences and Cauchy sequences Section 10	3rd **11** Monotone sequences and Cauchy sequences cont'd Section 10 Homework 3 due, Homework 4 available on ccle
6th **12** Subsequences Section 11	8th **13** lim sups and lim infs Section 12	10th **14** Series Sections 14 and 15 Homework 4 due, Homework 5 on ccle
13th **15** Continuous functions Section 17	15th **16** Properties of continuous functions Section 18	17th **17** Uniform continuity Sections 18 and 19 Homework 5 due
20th President's Day, No class	22nd **18** Uniform continuity cont'd Section 19 Midterm 2 (from 6:00-7:50PM in WGYoung CS24)	24th **19** Limits of functions Section 20 Homework 6 available on ccle

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27th **20** Uniform convergence and power series Sections 23 and 24	Mar 1st **21** The derivative Section 28	3rd **22** The mean value theorem Section 29 Homework 6 due, Homework 7 available on ccle
6th **23** Taylor's theorem Section 31	8th **24** Taylor's theorem cont'd Section 31	10th **25** The Riemann integral Section 32 Homework 7 due, Homework 8 available on ccle
13th **26** The Riemann integral and its properties Sections 32 and 33	15th **27** Properties of the Riemann integral Section 33	17th **28** The fundamental theorem of calculus Section 34 Homework 8 due