Mathematical Analysis I (Fall 2017 dates)

Required text: S. Lay, Analysis with an Introduction to Proof (5th Edition, Pearson, 2014)

Classes	Sections / Topics / Quiz / Test
#1: Mon, Aug 28 #2: Wed, Aug 30 Mon, Sep 4: no class #3: Wed, Sep 6	1.1 Logical Connectives1.2 Quantifiers1.3 Techniques of Proof I1.4 Techniques of Proof II
#4: Mon, Sep 11 #5: Wed, Sep 13 #6: Mon, Sep 18 Wed, Sep 20: no class #7: Mon, Sep 25 #8: Wed, Sep 27	QUIZ #1 on Chapter 1 GO OVER QUIZ #1 2.1 Basic Set Operations 2.2 Relations 2.3 Functions 2.4 Cardinality
#9: Mon, Oct 2 #10: Wed, Oct 4 Mon, Oct 9: no class #11: Wed, Oct 11 #12: Mon, Oct 16 #13: Wed, Oct 18 #14: Mon, Oct 23	QUIZ #2 on Chapter 2 3.1 Natural Numbers and Induction 3.2 Ordered Fields 3.3 Axioms of Continuity and Completeness, Archimedean Law 3.4 Topology of the Real Numbers 3.5 Compact Sets
#15: Wed, Oct 25 #16: Mon, Oct 30: MIDTERM EXAM	QUIZ #3 on Chapter 3 MIDTERM EXAM
#17: Wed, Nov 1 #18: Mon, Nov 6 #19: Wed, Nov 8 #20: Mon, Nov 13	4.1 Convergent Sequences4.2 Limit Theorems4.3 Monotone Sequences and Cauchy Sequences4.4 Subsequences
#21: Wed, Nov 15 #22: Mon, Nov 20 #23: Wed, Nov 22 #24: Mon, Nov 27	QUIZ #4 on Chapter 4 5.1 Limits of Functions 5.2 Continuous Functions 5.3 Properties of Continuous Functions 5.4 Uniform Continuity
#25: Wed, Nov 29 #26: Mon, Dec 4	QUIZ #5 on Chapter 5 6.1 The Derivative 6.2 The Mean Value Theorem 6.3 L'Hospital's Rule 6.4 Taylor's Theorem
#27: Wed, Dec 6 #28: Mon, Dec 11 Tue, Dec 12: LAST DAY OF CLASSES	QUIZ #6 on Chapter 6 and a speedy version of 7.1 The Riemann Integral 7.2 Properties of the Riemann Integral so we can end with 7.3 The Fundamental Theorem of Calculus
FINAL EXAM Mon, Dec 18	FINAL EXAM REVIEW FINAL EXAM