September
Tentative plan

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	*2*	*3*	*4* Section 0.1 Sets, containment, intersection, union	*5*	*6* Section 0.1 and 0.2 Complements, indexed families of sets De Morgan's Laws, ordered pairs, Cartesian product, relations and functions	*7*
8	*9* Section 0.2 Converse relations, composition of relations and functions	*10*	*11* Section 0.3 Well-ordering principle and mathematical induction	*12*	*13* Section 0.3 Well-ordering and induction continued **Assignment 1 due**	*14*
15	*16* Section 0.4 Equivalent and countable sets	*17*	*18* Section 0.4 Equivalent and countable sets	*19* **Quiz 1 in tutorial**	*20* Section 0.5 Begin Axioms of real numbers	*21*
22	*23* Section 0.5 Axioms of real numbers, lower and upper bounds, Archimedean property	*24*	*25* Section 0.5 Density of rationals and irrationals, existence of square roots, triangle inequality	*26*	*27* Section 1.1 Definition of sequences and convergence, open neighbourhoods **Assignment 2 due**	*28*
29	*30* Section 1.1 Uniqueness of limits of sequences, boundedness and divergent sequences					

October
Tentative plan

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	*2* Section 1.2 Definition of Cauchy sequences, convergent sequences are Cauchy, accumulation points	*3*	*4* Test 1	*5*
6	*7* Section 1.2 Bolzano-Weierstrass, Cauchy sequences are convergent	*8*	*9* Section 1.3 Arithmetic operations on sequences	*10* **Quiz 2 in tutorial**	*11* Section 1.3 Examples of sequences, inequalities of sequences (e.g. $a_n \leq b_n$ for all n)	*12*
13	*14* Thanksgiving	*15*	*16* Section 1.4 Subsequences **Assignment 3 due**	*17*	*18* Section 1.4 Monotone sequences	*19*
20	*21* Projects 0.1 and 1.4 Uncountability of real numbers via sequences	*22*	*23* Section 2.1 Definition of the limit of a function	*24* **Quiz 3 in tutorial**	*25* Section 2.1 Examples of limits of functions	*26*
27	*28* Section 2.2 Limits of functions and sequences	*29*	*30* Section 2.2 Limits of functions and sequences	*31*		

November
Tentative plan

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 Section 2.3 Algebra of limits, products where one function is bounded, examples	*2*
3	*4* Test 2	*5*	*6* Section 2.4 Definition of monotone functions, prepartory lemmas **Assignment 4 due**	*7*	*8* Section 2.4 Limits of monotone functions exist everywhere except on a countable set	*9*
10	*11* Remembrance day	*12*	*13* Fall break (no class)	*14*	*15* Fall break (no class)	*16*
17	*18* Section 3.1 Continuity at a point	*19*	*20* Section 3.2 Examples $R^2 \to R$, algebra of continuous functions	*21* **Quiz 4 in tutorial**	*22* Section 3.2 Algebra of continuous functions, compositions of continuous functions	*23*
24	*25* Sections 3.3 Definition of uniform continuity, definition of closed, open and compact sets	*26*	*27* Section 3.3 Continuous functions on compact sets are uniformly continuous	*28*	*29* Section 3.4 Behaviour of continuous functions with respect to open, closed and compact sets **Assignment 5 due**	*30*

December
Tentative plan

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	*2* Section 3.4 Bolzano's Theorem	*3*	*4* Section 3.5 Intermediate Value Theorem	*5* **Quiz 5 in tutorial**	*6* Sections 4.1 and 4.2 Definition of the derivative at a point, derivatives and algebra of derivatives, or possibly review.	*7*
8	*9*	*10*	*11*	*12*	*13*	*14*
15	*16*	*17*	*18*	*19*	*20*	*21*
22	*23*	*24*	*25*	*26*	*27*	*28*
29	*30*					