Math 147 Spring 2022 Syllabus

This schedule is tentative and subject to change

Week	Date	Sections covered	Assessments
1	Mon 3/28	Ch 1: Basic Algebra, Polar Form	
	Wed 3/30	n^{th} roots	
	Fri 4/1	Ch 2: Functions on $\mathbb{C}$	
2	Mon 4/4	Limits & continuity (start)	
	Wed 4/6	Derivatives & Cauchy–Riemann	HW/Quiz 1
	Fri 4/8	Holomorphic functions	
3	Mon 4/11	Ch 3: Logarithms	
	Wed 4/13	Multi-valued Functions	HW/Quiz 2
	Fri 4/15	Trig Functions	
4	Mon 4/18	Ch 4: Integrals	
	Wed 4/20	FTC and integral estimation	HW/Quiz 3
	Fri 4/22	Cauchy's Theorems	
5	Mon 4/25	(cont)	
	Wed 4/27	Review	
	Fri 4/29		Midterm
6	Mon 5/2	Liouville and Maximum Modulus	
	Wed 5/4		
	Fri 5/6	Ch 5: Series	
7	Mon 5/9	Taylor's Theorem	
	Wed 5/11	Uniform Convergence	HW/Quiz 4
	Fri 5/13	(cont), Laurent Series	
8	Mon 5/16	(cont)	
	Wed 5/18	(cont), Ch6: Residues	HW/Quiz 5
	Fri 5/20	Cauchy's Residue Theorem	
9	Mon 5/23	Poles and Zeros	
	Wed 5/25	(cont)	HW/Quiz 6
	Fri 5/27	Improper Integrals	
10	Mon 5/30		Memorial Day Holiday
	Wed 6/1	(cont)	
	Fri 6/3	Review	
11	Mon 6/6		Final Exam 10:30-12:30