SYLLABUS - MATH 313:COMPLEX ANALY	'SIS - F	Fall 2013
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Week	Dates	Topic(s)	Section(s)		
Week 1	Aug. 20-22	Complex numbers	1.1-1.4		
Week 2	Aug. 27-29	Roots, functions	1.5-1.6		
	_	of a complex variable,	2.1-2.2		
		limits and continuity.			
Aug. 30 - Last day to change grade mode (LoboWeb)					
Week 3	Sep. 3-5	Analytic and	2.3-2.6		
		harmonic functions.			
Week 4	Sep. 10-12	Elementary functions:	3.1-3.3		
		polynomials, rational,			
		exponential, trig and logs.			
Sep. 13 - Last day to change grade mode (in person)					
Week 5	Sep. 17-19	Boundary value problems, complex powers,	3.4-3.5		
		inverse trigonometric functions.			
Week 6	Sep. 24	Review			
	Sep. 26	midterm 1	Chapters 1-3		
Week 7	Oct. 1-3	Complex integration.	4.1-4.3		
Week 8	Oct. 8	Cauchy's integral theorem.	4.4		
Fall break Oct 10-11					
Week 9	Oct. 15-17	Cauchy's integral formula,	4.5-4.7		
		bounds for analytic functions,			
		applications to harmonic functions.			
Week 10	Oct. 22-24	Power series: Taylor	5.1-5.3, 5.5		
		and Laurent series.			
Week 11	Oct. 29-31	Classification	5.6-5.7		
		of singularities.			
Week 12	Nov. 5	Review			
	Nov. 7	MIDTERM 2	Chapters 4-5		
Nov 8 - Last day to drop without Dean's permission					
Week 13	Nov. 12-14	Residue theorem,	6.1-6.4		
		improper (contour) integrals.			
Week 14	Nov. 19-21	More on integration,	6.5-6.7, 7.1-7.2		
		conformal mappings.			
Week 15	Nov. 26	Möbius transformations.	7.3-7.4		
Thanksgiving Nov 28-29					
Week 16	Dec. 3-5	Applications and Review,	7.6		
		optional 3rd test,			
Dec. 8 - Last day to drop with Dean's permission					
Week 17	Dec. 9-13	Finals Week			
	Dec. xx	FINAL EXAM	n-n+2 hours		