Monday	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Jan 9th1Classes BeginGrouprepresentations	10th 2	11th3Matrixreopresentations,equivalence	12th	13th 4 End of Drop/Add KG-modules
16th Martin Luther King Jr. Day	17th 5	18th6Submodules,homomorphisms,quotients	19th	20th 7 Simple modules, Schur's Lemma
23rd 8 Abs. irreducibilty, complete reducibility, Maschke's Thm	24th 9	25th 10 Double Centralizer Thm, Wedderburn decomposition	26th	27th 11 Examples
30th12Functions on a group. SchurCoefficient relations	31st 13	Feb 1st 14 Characters	2nd	3rd15IrreducibleCharacters,Orthogonalityrelations
6th 16 Character tables, examples	7th 17	8th 18 Functions on Abelian groups, Fourier analysis on finite abelain groups	9th	10th19Integrality properties of characters
13th20Burnside's $p^a q^b$ Theorem	14th 21	15th22Moduleconstructions,tensor proucts,Homs	16th	17th23Restricted andinducedrepresentations andclass functions
20th 24 Frobenius's Thm	21st 25	22nd 26 Hurwitz's Thm on composition algebras	23rd	24th27Normal subgroups, Clifford's Thm
27th 28 Clifford theory	28th 29	Mar 1st30Use Cifford theoryto computecharacter tables	2nd	3rd31Intro to Diff. Manifolds
6th32Tangent space	7th 33	8th 34 The differential	9th	10th35Lie groups andtheir atlases
13th Spring Break	14th Spring Break	15th Spring Break	16th Spring Break	17th Spring Break
20th 36 Examples	21st 37	22nd 38 Lie algebras and their representations	23rd	24th 39 Lie algebra of Lie group

Monday	TUESDAY		WEDNESDAY		THURSDAY	Friday	
27th 40	28th	41	29th	42	30th	31st	43
Computations for $SL(2)$			representations of $SL(2)$			f.d reps of $sl(2, C)$	
51(2)			51(2)				
Apr 3rd 44	4th	45	5th	46	$6 \mathrm{th}$	7th	47
f.d. reps of $sl(2, C)$			Lie algebra rep	re-		Student	
			sentations:Highest			Presentation	
			weights				
10th 48	11th	49	12th	50	13th	14th	51
Student			Student			Student	
Presentation			Presentation			Presentation	
17th 52	18th	53	19th	54	20th	21st	55
Student			Student			Student	
Presentation			Presentation			Presentation	
24th 56	25th	57	26th	58	27th	28th	59
Student			Classes end				
Presentation			Student				
			Presentation				