

Date	Topic	Stillwell	Homework
M:1-18	Geometry of complex numbers and quaternions	p. 1 - 22	
M:1-25	Groups	p. 23 - 47	
M:2-1	Generalized rotation groups	p. 48 - 73	
M:2-8	Generalized rotation groups	p. 48 - 73	
M:2-15	The exponential map	p. 74 - 92	
M:2-22	The exponential map	p. 74 - 92	
M:2-29	The tangent space	p. 93 - 113	
M: 3-7	The tangent space	p. 93 - 113	
	Spring Break: (3-14 to 3-18)		
M:3-21	Structure of Lie algebras	p. 114 – 138	
M:3-28	Easter Monday		
W: 3-30	Structure of Lie algebras	p. 114 – 138	
M:4-4	The matrix logarithm	p. 139 – 159	
W: 4-6	Assessment Day		
M:4-11	The matrix logarithm	p. 139 – 159	
M:4-18	Topology	p. 160 – 185	
M:4-25	Simply connected Lie groups	p. 186 - 203	
M: 5-2	Simply connected Lie groups	p. 186 - 203	
W: 5-4	Reading Day (no classes)		
F: 5-11	Final Exam		

- This course follows Stillwell's Naïve Lie Groups text fairly closely.
- In order to keep on schedule, I may post some additional examples and/or proofs on You Tube.
- In summary:
 - Tests 1 & 2 = 200pts
 - Final Exam = 200pts
 - Homework = 600pts