

- MA 352 Spring 2014 Calendar of Events

MWF 100-150

Introduction to Topology, Adams & Franzosa

Lecture	Class activity	Reference	HW
Wed, 15-Jan	Review of connectedness, compactness		
Fri, 17-Jan	Iterating functions	8.1	
Mon, 20-Jan	Martin Luther King Day		
Wed, 22-Jan	Stability	8.2	
Fri, 24-Jan	Chaos	8.3	HW 01 Due
Mon, 27-Jan	Population model with chaos	8.4	
Wed, 29-Jan	Dependence on initial conditions	8.5	
Fri, 31-Jan	Chaos		HW 02 Due
Mon, 03-Feb	Homotopy	9.1	
Wed, 05-Feb	Homotopy	9.1	
Fri, 07-Feb	Degree and retractions	9.2	HW 03 Due
Mon, 10-Feb	Fundamental Group	9.2	
Wed, 12-Feb	Retractions		
Fri, 14-Feb	Distinguishing topological spaces		
Mon, 17-Feb	Fundamental Theorem of Algebra		
Wed, 19-Feb	NO CLASS		
Fri, 21-Feb	NO CLASS		
Mon, 24-Feb	NO CLASS		
Wed, 26-Feb	Brouwer Fixed Point Theorem in \mathbb{R}^n	10.1	
Fri, 28-Feb	Kakutani fixed point theorem	10.3	HW 04 Due
Mon, 03-Mar	Group actions		
Wed, 05-Mar	Topological groups		
Fri, 07-Mar	Fixed point theory		HW 05 Due Test 01 Due
Mon, 10-Mar	Quotient spaces		
Wed, 12-Mar	Embeddings	11.1	
Fri, 14-Mar	Embeddings	11.1	HW 06 Due
Mon, 17-Mar			
Wed, 19-Mar	SPRING BREAK		
Fri, 21-Mar			
Mon, 24-Mar	Jordan curve theorem	11.2	
Wed, 26-Mar	Digital topology	11.3	
Fri, 28-Mar	Digital topology		
Mon, 31-Mar	Knots	11.3	
Wed, 02-Apr	Reidemeister moves, linking number	12.1	
Fri, 04-Apr	Knot polynomials	12.2	HW 07 Due
Mon, 07-Apr	Biochemistry and chemistry	12.3	
Wed, 09-Apr	Manifolds	12.4	
Fri, 11-Apr	Classification of compact surfaces	14.1	HW 08 Due Test 02 Due
Mon, 14-Apr	Classification of compact surfaces	14.2	
Wed, 16-Apr	Classification of compact surfaces	14.2	
Fri, 18-Apr	Classification of compact surfaces	14.2	HW 09 Due
Mon, 21-Apr	Three manifolds	14.3	
Wed, 23-Apr	Three manifolds	14.3	
Fri, 25-Apr	History of Poincare conjecture		HW 10 Due
Mon, 28-Apr	Geometry of our universe	14.4	
Wed, 30-Apr	Which manifold is our universe	14.5	
Fri, 02-May			HW 11 Due
Wednesday, 7-May Final exam: 1:00PM – 3:00PM			

