

# Math Bridge 2017

Date	Week	Weekday	# Lessons	Content of lessons	Instructor	
Sep 21, 17	38	4	2	Linear Algebra, mappings, linear systems, row reduction	Andreas Stahel	
Sep 28, 17	39	4	2	Linear Algebra, eigenvalues and eigenvectors	Andreas Stahel	4
Oct 5, 17	40	4	2	Analysis, Taylor, one and multiple variables	Andreas Stahel	
Oct 12, 17	41	4	2	Analysis, line integrals, double integrals	Andreas Stahel	
Oct 19, 17	42	4	2	Analysis, vector fields, flow, Green's, conservation laws	Andreas Stahel	6
Oct 26, 17	43	4	2	Probability, basic concepts, independence, Bayes' theorem	Jasmin Wandel	
Nov 2, 17	44	4	2	Probability, random variables, special distributions	Jasmin Wandel	
Nov 9, 17	45	4	2	Probability, multivariate distributions	Jasmin Wandel	6
Nov 16, 17	46	4		Medica Düsseldorf		
Nov 23, 17	47	4	2	ODE, visualization, separation of variable	Andreas Stahel	
Nov 30, 17	48	4	2	ODE of order 2, phase portraits	Andreas Stahel	
Dec 7, 17	49	4	2	PDE, qualitative behaviour	Andreas Stahel	6
Dec 14, 17	50	4	2	Fourier, basics, spectrum, DFT, FFT	Andreas Stahel	
Dec 21, 17	51	4	2	Fourier transform	Andreas Stahel	4
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