

Math Bridge 2018

Date	Week	Content of lessons	Section in notes	Instructor	
Sep 20, 18	38	Linear Algebra, mappings, linear systems, row reduction	2.2	Andreas Stahel	
Sep 27, 18	39	Linear Algebra, eigenvalues and eigenvectors	2.3	Andreas Stahel	4
Oct 4, 18	40	Analysis, Taylor, one and multiple variables	3.2, 3.3	Andreas Stahel	
Oct 11, 18	41	Analysis, line integrals, double integrals	3.4	Andreas Stahel	
Oct 18, 18	42	Analysis, vector fields, flow, Green, conservation law	3.5, Presentation of 3.6	Andreas Stahel	6
Oct 25, 18	43	ODE, visualization, separation of variables	4.2	Andreas Stahel	
Nov 1, 18	44	ODE of order 2, phase portraits	4.3	Andreas Stahel	
Nov 8, 18	45	Medica			
Nov 15, 18	46	PDE, qualitative behaviour	5, Presentation	Andreas Stahel	6
Nov 22, 18	47	Fourier, basics, spectrum, DFT, FFT	6.2, 6.3	Andreas Stahel	
Nov 29, 18	48	Fourier transform	6.4, Presentation	Andreas Stahel	4
Dec 6, 18	49	Probability, basic concepts, independence, Bayes' th	7.2	Jasmin Wandel	
Dec 13, 18	50	Probability, random variables, special distributions	7.3	Jasmin Wandel	
Dec 20, 18	51	Probability, multivariate distributions	7.4, Presentation	Jasmin Wandel	6
					26

all classes in Hauptgebäude room 106
From 16:15 until 18:00