

Math Bridge 2019

Date	Week	Content of lessons	Section	Instructor	
Sep 19, 19	38	Linear Algebra, mappings, linear systems, row reduction	2.2	André Lisibach	
Sep 26, 19	39	Linear Algebra, eigenvalues and eigenvectors	2.3	André Lisibach	4
Oct 3, 19	40	Analysis, Taylor, one and multiple variables	3.2, 3.3	André Lisibach	
Oct 10, 19	41	Analysis, line integrals, double integrals	3.4	André Lisibach	
Oct 17, 19	42	Analysis, vector fields, flow, Green, conservation laws	3.5, Presentation of 3.6	André Lisibach	6
Oct 24, 19	43	ODE, visualization, separation of variables	4.2	André Lisibach	
Oct 31, 19	44	ODE of order 2, phase portraits	4.3	André Lisibach	
Nov 7, 19	45	PDE, qualitative behaviour	5, Presentation	André Lisibach	6
Nov 14, 19	46	Fourier, basics, spectrum, DFT, FFT	6.2, 6.3	André Lisibach	
Nov 21, 19	47	Medica			
Nov 28, 19	48	Fourier transform	6.4, Presentation	André Lisibach	4
Dec 5, 19	49	Probability, basic concepts, independence, Bayes' theorem	7.2	Jasmin Wandel	
Dec 12, 19	50	Probability, random variables, special distributions	7.3	Jasmin Wandel	
Dec 19, 19	51	Probability, multivariate distributions	7.4, Presentation	Jasmin Wandel	6

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all classes in Hauptgebäude room 106
From 15:45 until 17:30