	Lecture Tuesday 10:15-11:45		Practical Course Thursday 14:15-16:45	
09.09.2025	Intro examples, combinatorics, event space, measures	11.09.2025	Combinatorics, event space	
16.09.2025		18.09.2025	Sieve formula, uniform distribution,	
23.09.2025	Basics of probability, Sieve formula, discrete uniform distribution	25.09.2025	conditional probability, independence, Bayes' Theorem	
30.09.2025	Conditional probability, Bayes' Theorem, independence, Independent experiments, conditional independence,	02.10.2025	Discrete random variables: Binomial,v Expected value, variance,	
07.10.2025	random variables, discrete distributions (Binomial, geometric), Expected value, properties, variance, examples,	09.10.2025	Discrete random variables: Poisson dist, Poisson process, approx POI with BIN, neg. Binomial, hypergeom,	
14.10.2025	Poisson distribution, approximation of POI, Poisson process, negative binomial, hypergeometric dist.,	16.10.2025	distribution function, density function, uniform dist. Normal dist,	1st midterm
21.10.2025	Distribution function, absolute cont. Dist., density function, uniform distribution,	23.10.2025		
28.10.2025	Normal distribution, exponential dist., moments, renewal, Cauchy	30.10.2025	Exponential dist., Cauchy dist, transforms, exponetnial dist.,	retaken 1st midterm
04.11.2025	De Moivre-Laplace, Stirling,	06.11.2025	de Moivre-Laplace,	
11.11.2025	jointly distrinuted random variables, transformations, marginals, ,Buffon-needle problem, konvolution, sum of normal dist., higher dimensional dist, densities,	13.11.2025	higher dimensional distributions, Poisson process again	
18.11.2025	covariance, variance of sum, Cauchy-Schwartz, correlation, conditional expectation, exp. connection with POI	20.11.2025	convolution, conditional distribution, conditional expectation	
25.11.2025	application of cond. Expectation, estimations,	27.11.2025	convariance, correlation, exp. Value and variance of sums	2nd midterm
02.12.2025	Markov, Chebisev inequalities, Steiner's Theorem,	04.12.2025	higher dimensional normal dist. And correlations	
09.12.2025	Weak law of large numbers, moment-generating function, Central Limit Theorem,	11.12.2025	practice	retaken 2nd midterm