

	Lecture Monday 12:15-13:45		Practical Course Tuesday 13:15-14:45
03.09.2018	Intro examples, Bertrand paradox, event space, measures	04.09.2018	
10.09.2018	Sieve formula, Conditional probability, Bayes' Theorem, independence	11.09.2018	
17.09.2018	Independent experiments, conditional independence, random variables, discrete distributions (Binomial, geometric)	18.09.2018	
24.09.2018	Expected value, properties, variance, examples, Bernoulli law of large numbers, Poisson distribution, approximation of POI	25.09.2018	
01.10.2018	Poisson process, negative binomial, hypergeometric dist.,	02.10.2018	
08.10.2018	Distribution function, absolute cont. Dist., density function, uniform distribution,	09.10.2018	
13.10.2018	Singular but cont. Measure, Normal distribution, exponential dist., moments, renewal, connection with POI		
15.10.2018	De Moivre-Laplace, Stirling, transformations, Cauchy dist., marginals	16.10.2018	
22.10.2018	National Holiday	23.10.2018	National Holiday
29.10.2018	Buffon-needle problem, konvolution, sum of normal dist., higher dimensional dist, densities,	30.10.2018	
05.11.2018	covariance, variance of sum, Cauchy-Schwartz, correlation, conditional expectation	06.11.2018	
12.11.2018	application of cond. Expectation, estimations,	13.11.2018	

19.11.2018	Markov, Chebisev inequalities, Steiner's Theorem,	20.11.2018
26.11.2018	Weak law of large numbers, Strong law of large numbers, examples	27.11.2018
03.12.2018	moment-generating function, Central Limit Theorem,	04.12.2018