	Lecture Tuesday 10:15-11:45		Practical Course Thursday 14:15-15:45	
05.09.2023	Intro examples, combinatorics, event space, measures	07.09.2023	Combinatorics, event space	
12.09.2023		14.09.2023	Sieve formula, uniform distribution,	
19.09.2023	Basics of probability, Sieve formula, discrete uniform distribution	21.09.2023	Conditional probability, Bayes' Theorem, independence, Independent experiments, conditional independence,	
26.09.2023	random variables, discrete distributions (Binomial, geometric), Expected value, properties, variance, examples,	28.09.2023	conditional probability, independence, Bayes' Theorem	
03.10.2023	Poisson distribution, approximation of POI, Poisson process, negative binomial, hypergeometric dist.,	05.10.2023	Discrete random variables: Binomial,v Expected value, variance,	
10.10.2023	Distribution function, absolute cont. Dist., density function, uniform distribution,	12.10.2023	Discrete random variables: Poisson dist, Poisson process, approx POI with BIN, neg. Binomial, hypergeom,	
17.10.2023	Normal distribution, exponential dist., moments, renewal, Cauchy	19.10.2023	distribution function, density function, uniform dist. Normal dist,	midterm
24.10.2023	De Moivre-Laplace, Stirling,	26.10.2023	Exponential dist., Cauchy dist, transforms, exponetnial dist.,	
31.10.2023	jointly distrinuted random variables, transformations, marginals, ,Buffon-needle problem, konvolution, sum of normal dist., higher dimensional dist, densities,	02.11.2023	de Moivre-Laplace,	
07.11.2023	covariance, variance of sum, Cauchy-Schwartz, correlation, conditional expectation, exp. connection with POI	09.11.2023	higher dimensional distributions, Poisson process again	
14.11.2023	convolution, conditional distribution, conditional expectation	16.11.2023		
21.11.2023	application of cond. Expectation, estimations,	23.11.2023	convariance, correlation, exp. Value and variance of sums	midterm
28.11.2023	Markov, Chebisev inequalities, Steiner's Theorem,	30.11.2023	higher dimensional normal dist. And correlations	
05.12.2023	Weak law of large numbers, moment-generating function, Central Limit Theorem,	07.12.2023	practice	

green: lecture	yellow: practice