	Lecture Monday 12:15-13:45		Practical Course Tuesday 14:15-15:45
05.09.2022	Intro examples, combinatorics, event space, measures	06.09.2022	Combinatorics, event space
12.09.2022	Basics of probability, Sieve formula, discrete uniform distribution	13.09.2022	Sieve formula, uniform distribution,
19.09.2022	Conditional probability, Bayes' Theorem, independence, Independent experiments, conditional independence,	20.09.2022	conditional probability, independence, Bayes' Theorem
26.09.2022	random variables, discrete distributions (Binomial, geometric), Expected value, properties, variance, examples,	27.09.2022	Discrete random variables: Binomial,v Expected value, variance,
03.10.2022	Poisson distribution, approximation of POI, Poisson process, negative binomial, hypergeometric dist.,	04.10.2022	Discrete random variables: Poisson dist, Poisson process, approx POI with BIN, neg. Binomial, hypergeom,
10.10.2022	Distribution function, absolute cont. Dist., density function, uniform distribution,	11.10.2022	distribution function, density function, uniform dist. Normal dist,
15.10.2022	Normal distribution, exponential dist., moments, renewal, Cauchy		
17.10.2022	De Moivre-Laplace, Stirling,	18.10.2022	Exponential dist., Cauchy dist, transforms, exponetnial dist.,
24.10.2022	jointly distrinuted random variables, transformations, marginals, ,Buffon-needle problem, konvolution, sum of normal dist., higher dimensional dist, densities,	25.10.2022	de Moivre-Laplace,
31.10.2022	🟥	01.11.2022	🟥
07.11.2022	covariance, variance of sum, Cauchy-Schwartz, correlation, conditional expectation, exp. connection with POI	08.11.2022	higher dimensional distributions, Poisson process again
14.11.2022	application of cond. Expectation, estimations,	15.11.2022	convolution, conditional distribution, conditional expectation
21.11.2022	Markov, Chebisev inequalities, Steiner's Theorem,	22.11.2022	convariance, correlation, exp. Value and variance of sums
28.11.2022	Weak law of large numbers, Strong law of large numbers, examples	29.11.2022	higher dimensional normal dist. And correlations
05.12.2022	moment-generating function, Central Limit Theorem,	06.12.2022	practice