

	Lecture Tuesday 10:15-11:45		Practical Course Thursday 14:15-15:45
08.09.2026	Basics of probability, event space, measures, Sieve formula,	10.09.2026	Combinatorics, event space
15.09.2026		17.09.2026	Intro examples, combinatorics, discrete uniform distribution
22.09.2026	Conditional probability, Bayes' Theorem, independence, Independent experiments, conditional independence,	24.09.2026	Sieve formula, uniform distribution,
29.09.2026	random variables, discrete distributions (Binomial, geometric), Expected value, properties, variance, examples,	01.10.2026	conditional probability, independence, Bayes' Theorem
06.10.2026	Poisson distribution, approximation of POI, Poisson process, negative binomial, hypergeometric dist.,	08.10.2026	Discrete random variables: Binomial, v Expected value, variance,
13.10.2026	1st midterm Distribution function, absolute cont. dist.,	15.10.2026	Discrete random variables: Poisson dist, Poisson process, approx POI with BIN, neg. Binomial, hypergeom,
20.10.2026	density function, uniform distribution, Normal distribution, exponential dist.,	22.10.2026	distribution function, density function, uniform dist. Normal dist,
27.10.2026	moments, renewal, Cauchy De Moivre-Laplace	29.10.2026	Exponential dist., Cauchy dist, transforms, exponetnial dist.,
03.11.2026	jointly distributed random variables, transformations, marginals, Buffon-needle problem,	05.11.2026	de Moivre-Laplace,
10.11.2026	convolution, sum of normal dist., higher dimensional dist, densities, covariance, variance of sum, Cauchy-Schwartz, correlation	12.11.2026	higher dimensional distributions, Poisson process again
17.11.2026	conditional expectation, exp. connection with POI,	19.11.2026	convolution, conditional distribution, conditional expectation
24.11.2026	2nd midterm application of cond. Expectation, estimations,	26.11.2026	convariance, correlation, exp. Value and variance of sums
01.12.2026	Markov, Chebisev inequalities, Steiner's Theorem,	03.12.2026	higher dimensional normal dist. And correlations
08.12.2026	Weak law of large numbers, moment-generating function, Central Limit Theorem,	10.12.2026	practice

