23. Januar 2019

Vejledende Lektionsplan ETSMP

Week	Date	Lesson	Subject	[1] Section	[1] Pages	[2] Pages	[3] Chapter	UV
5	30/1	1	Introduction to Probability Theory	1-1.1, 2.1-2.2	1-4, 8-17			GEK
6	6/2	2	Probability Theory and Combinatorics	2.2	17-21			GEK
7	13/2	3	Discrete Random Variables	2.3 (÷ex.2.10)	21-32			GEK
8	20/2	4	Continuous Random Variable	2.4 (÷p.39-43)	33-39, 43-47			GEK
9	27/2	5	Transformations and Multivariate Variables	2.6-2.6.2 , 2.8	55-61, 67-69, 88-95			GEK
10	6/3	6	Stochastic Processes, Stationarity, Ergodicity	3-3.3, 3.5	110-125, 135-142			GEK
11	13/3	7	Cross and Autocorrelation, Power Spectral Density	3.6-3.6.4, 3.8 (÷ex.3.22)	142-149, 166-183			GEK
12	20/3	8	Review Stochastic Processes					LMA
13	27/3	9	Introduction to Statistics, Estimators/statistics	8.1-8.5.1 (÷8.3.4,÷8.4.7)	475-484, 485-491, 493-495	74	1, 2, 5-5.5	LMA
14	3/4	10	Hypothesis test: Test of mean values, t-tests	8.6-8.8.3 (÷8.7.5)	503-511, 513-520	61-63	5.6-5.10	LMA
15	10/4	11	Chi-Square tests, Binomial and Poisson distribution	8.8.6-8.8.7	523-529	48-49	3, 4	LMA
16			Påskeferie					
17	24/4	12	Comparison of the Mean of Two Sample Sets	8.8.4	520-521	64-65	6	LMA
18	1/5	13	Linear Regression Models	8.9-8.9.1	529-538	85-86	7	LMA
19	8/5	14	Review Statistics					LMA

Litterature:
[1] Random Signals – Detection Estimation and Data Analysis K. Sam Shanmugan
[2] Statistik og Sandsynlighedsregning - find formlen Philip Anton de Saint-Aubain og Rikke Meldgaard Røge [3] Lecture Notes in Stochastic Modelling and Processing - Introduction to Statistics Henrik Pedersen Department of Engineering, Aarhus University, Denmark, 2014 Accessible on bb