

A FIRST COURSE IN PROBABILITY

Eighth Edition
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List of Topics	No. of Weeks	Corresponding Chapter
Probability space, Sequence of Events,	2	2 and 3
Continuous Random variables, Distribution functions, Expectations.	1	5
Normal approximation.	1	5.4
Joint probability distribution,	1	6.1-6.3
Marginal and conditional probability functions -.	1	6.5
Order statistics	1.5	6.6
Joint probability distributions of functions of random variables,	1	6.7
Conditional expectation and variation	1	7.5
Joint moment generating functions.	1.5	7.7
Probability inequalities.	1	8.2, 8.5
Sequences of random variables and modes of convergences.	1	Another resource
Central limit theorem and proof –	1	8.3