

Topics for the First Test

(Wednesday)

- The axioms (1.1)
and some consequences (1.4, 1.5, 1.6)
(Sample space, outcomes, events,
probability function)
- Discrete models; geometric models. (1.2, 1.3)
- How to use Stirling's approximation
to $n!$ (1.2, page 10)
- Conditional probability (2.1)
 - Chain rule (2.2)
 - Independent events (2.2.1)
 - Bayes' formula (law of conditional prob.) (2.3)
 - Odds (2.4)
 - Tree diagrams
 - Venn diagrams

} useful techniques

Sections covered: 1.1-6, 2.1-4.

(2.5 is skipped.)