STAT 110
Chapter 18 Definitions – Part I

probability model – describes all possible outcomes and says how to assign probabilities to any collection of outcomes

sample space – collection of unique outcomes of a random circumstance

event – a collection of outcomes

Probability Rules
1. Any probability is a number between 0 and 1.

2. All possible outcomes together must have probability 1.

3. The probability that an event does not occur is 1 minus the probability that the event does occur.

4. If two events have no outcomes in common, the probability that one or the other occurs is the sum of their individual probabilities.