

## **Probability Rules:**

- Probabilities must be  $\geq 0$  and  $\leq 1$ .
- The total probability should equal 1.

## **Complement Rule:**

- $P(\bar{E}) = 1 - P(E)$

## **Addition Rules:**

- $P(E \text{ or } F) = P(E) + P(F) - P(E \text{ and } F)$
- $P(E \text{ or } F) = P(E) + P(F)$  (If events are disjoint.)