

## MATH 1300-D WEEK 11

SECTIONS 13.3–4; PAGES 668–687

**ABSTRACT.** If you flip a coin, the probability of getting “heads” is 50%. Now, say that you flip a coin four times in a row, and you get “tails” the first three times; what is the probability of getting “heads” the fourth time you flip it?

### SECTION 13.3

**Reading.** Make sure that you understand what is behind the words:

- (1) Intersection of events
- (2) Conditional probability
- (3) Probability tree
- (4) Dependent and independent events

**Self-assessment.** To verify that you have understood the material, solve the following problems at the end of the section: 1–2, 9–14, and 31–34.

Now take Quiz-19; you need to score 75% on this quiz before you can start working Homework-19, which is due on Thursday 5 November.

### SECTION 13.4

**Reading.** Make sure that you understand what is behind the words:

- (1) Expected value
- (2) Fair and unfair games

**Self-assessment.** To verify that you have understood the material, solve the following problems at the end of the section: 1, 3–4, 13, and 23.

Now take Quiz-20; you need to score 75% on this quiz before you can start working Homework-20, which is due on Monday 9 November.