1. Randomized, comparative experiments
   (a) Explanatory variable (factor, levels)

   (b) Response variable

   (c) Treatment

   (d) Subjects, experimental units

   (e) Random assignment to treatments – why?

2. The four principles of experimental design
   (a) Control

   (b) Randomize

   (c) Replicate

   (d) Block

3. Some elaborations – blinding, placebos

4. Confounding and lurking variables

**Homework**

1. Read Chapter 13

2. No additional problems