What and How

This first class will introduce you to CSCI-E28.

Frame 1: Course, Staff, askcscie28@gmail.com

Frame 2:

Here is the outline
        Where are we going?
        How we get there?
           - course mechanics
           - context, overview
           - operating environment
           - our approach

Frame 3:
        Where are we going?
         - by the end you will understand,
           written, and will know enough to write:
                [a] the Unix bc tool
                [b] Internet multi-player bridge
                [c] Web browswer, server
         - What ideas do we need to learn to understand
                and/or write these?
         - Let's start with bridge
                multiple users, distributed data
                communication, cooperation, coordination
         - Then we look at bc -- seems totally different
                but in fact, it is like bridge
                communication, cooperation, coordination
         - Then we look at web browser/server
                two players, communicate, cooperate,
                coordinate

Frame 4:

      Course mechanics
       - look over the sheet
       - explain the way the course works

Frame 5:

      Our first step: Taking the bigger picture
      Old view: single program in isolation
      New view: multi user/task/devices
      Big idea: operating system - split the work

Frame 6:

      What does this system look like to the user?
      Login, run, logout
      storing, getting, putting data
      files, directories
      dir commands: mkdir, cd, rmdir, ls, pwd
      file commands: cat, more, chmod, rm, mv
      data flow: pipes, $<$, $>$

Frame 7:

      Learning by building: let's write more