

- (I really do apologize about Monday. Not a good start to the semester, but things happen. I'm trying! "it's complicated" maybe.)
- Reading quiz 1 coming soon. *Note* that although all(?) of you have had a class with me before, I'm doing a few things differently this semester, in particular in how I ask you to turn things in ...



Course Infrastructure

- Many instructors use some sort of "learning management system" such as TLEARN or Google Classroom.
- I don't I have my own system, going back to before these were so popular, and partially automated using a collection of programs and scripts. Switching would be possible but painful.

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News from outside continues to be scary. But inside the Trinity bubble, we're safe? Maybe. Latest "Covid by the numbers" e-mail from the admininistration sounds good. Only three cases among faculty/staff! But one of those cases is — one of our visiting faculty! Somehow this makes it more real. Hers is a cautionary tale: She visited some family, all of them fully vaccinated except an 11-year-old. The 11-year-old is back in school in person, but had recently tested negative. They felt safe, took off their masks, and ... all got sick. (The negative test result was misleading.) No one got *very* sick, but.



Introduction • The textbook's first two chapters are — I think — such a good, and readable, introduction to the what we will talk about that I doubt I can improve on them much. • Yes, the authors are opinionated, and yes, it looks like they're a bit Linux-centric, but then so am I, and maybe it makes for livelier reading. • A few things worth noting

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Another Definition of Role and Purpose of O/S

• (From the textbook I had been using.)

applications, possibly multiple users.

• Top-down view: Provide a "virtual machine" easier to use than the real one. Key abstractions are processes, files.

• Bottom-up view: Manage physical resources on behalf of multiple

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Evolution of Operating Systems, Recap Increasing hardware capability. Increasing O/S functionality and complexity — from simple program loader to complex multitasking system. Parallels between evolution of mainframe O/S and PC O/S. (Similar evolution may be happening with operating systems for "smart phones"?)

