Intro (Fa11-18)

- -> why os?
- -> Background
- -) OS : demo + roles (UM+ 11b+ ...)
- -) (ourse overview
- -> History
- -) Conclude

Operating Systems CS 537 Why study OS? { key to knowing "how stuff norks" I some conceptually interesting / beautiful shift L first steps towards real understanding (datacenters, etc) Background needed Basic programming: cs 367 (etc.) (354=) [7 Intro to systems : CS 354 =) how a computer basically works mem distance between t TIO int y=10; C => maching gtune (4); Q) what hoppens? (vunning) discuss life cycle of a program =) 109d disk -> men =) execute ("run") (fetch, deade, execute) A => higher-level: life of C program lives Focus thus far: mostly on one program if thatis all you need, done (nows) OS: intro via demo more than one prog @ time mem: same I/o: show trace

Concurrency: show weird behavior

Virtual machine seems

cpu: switch between

many progs

Mem: Share in space (divide up)

(Share)

Standard libraries

Make system easy to use

(fopen() vs. I/O stack but twiddling)

Do so while being: efficient => can't do w/ excess overhead

Be we = can't do w/o considering security

Course overien

3

[Web Page]

=) Overview __ materials (Book)

=) Over view -s mailing

=) Schedule ? Projects =) (connect to reading)

=) Videos

=) etc.

History

11ttle on organic development of os (maintraine) -> (everything today)

principles tearned over the years

=) now applied ubiquitously

(onclude what is a class) > but also you (Story of the OS book?

Fih.