CS 330 Spring 2019 Tentative Schedule 28 classes

Mon Wed

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| Jan 14  syllabus, intro to operating systems, fork & exec,  basic computer architecture | Jan 16  file systems, CPU scheduling, fork & exec |
| Jan 21  CPU scheduling, intro to main memory management | Jan 23  paging & segmentation, Linux utilities (ps, netstat, grep, ls, etc.) |
| Jan 28  virtual memory, Linux file system | Jan 30  bash shell, aliases, and scripts |
| Feb 4  processes & threads, synchronization | Feb 6  bash scripts |
| Feb 11  disk scheduling, NTFS | Feb 13  bash scripts, review |
| Feb 18  Exam 1 | Feb 20  bash scripts, Linux system administration |
| Feb 25  O.S. & its interface: ethical, legal, social, and security issues, computer architecture intro, digital circuits | Feb 27  digital circuits: registers, ALUs, memory, etc.,  microprogramming |
| Mar 4  Spring Break  no class | Mar 6  Spring Break  no class |
| Mar 11  microprogramming and ifs | Mar 13  microprogramming and loops |
| Mar 18  microprogramming, machine language programming | Mar 20  machine language programming |
| Mar 25  machine language programming | Mar 27  Exam 2 |
| Apr 1  machine language programming, function call & return | Apr 3  machine language programming, adding a new machine language instruction (project), number of operands |
| Apr 8  number of operands, RISC,  expanding opcodes, addressing modes | Apr 10  addressing modes |
| Apr 15  integers, integer overflow, debugging the project | Apr 17  floating point, numbersmatter.pdf, project documenation |
| Apr 22  Easter Break  no class | Apr 24  Academic Conference  no class |
| Apr 29  advanced architectures, parallel processing, multiple cores, speculative execution & meltdown and similar attacks | May 1  supercomputers, integration problem with parallel computation, review |

Final Exam: Mon, May 6, 4:00 pm - 6:00 pm Last revised: 1/10/2019