CS 330 Spring 2019 Tentative Schedule 28 classes

 Mon Wed

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| Jan 14syllabus, intro to operating systems, fork & exec,basic computer architecture | Jan 16file systems, CPU scheduling, fork & exec |
| Jan 21CPU scheduling, intro to main memory management | Jan 23paging & segmentation, Linux utilities (ps, netstat, grep, ls, etc.) |
| Jan 28virtual memory, Linux file system | Jan 30bash shell, aliases, and scripts |
| Feb 4processes & threads, synchronization | Feb 6bash scripts |
| Feb 11disk scheduling, NTFS | Feb 13bash scripts, review |
| Feb 18Exam 1 | Feb 20bash scripts, Linux system administration |
| Feb 25O.S. & its interface: ethical, legal, social, and security issues, computer architecture intro, digital circuits | Feb 27digital circuits: registers, ALUs, memory, etc.,microprogramming |
| Mar 4Spring Breakno class | Mar 6Spring Breakno class |
| Mar 11microprogramming and ifs | Mar 13microprogramming and loops |
| Mar 18microprogramming, machine language programming | Mar 20machine language programming |
| Mar 25machine language programming | Mar 27Exam 2 |
| Apr 1machine language programming, function call & return | Apr 3machine language programming, adding a new machine language instruction (project), number of operands |
| Apr 8number of operands, RISC,expanding opcodes, addressing modes | Apr 10addressing modes |
| Apr 15integers, integer overflow, debugging the project | Apr 17floating point, numbersmatter.pdf, project documenation |
| Apr 22Easter Breakno class | Apr 24Academic Conferenceno class |
| Apr 29advanced architectures, parallel processing, multiple cores, speculative execution & meltdown and similar attacks | May 1supercomputers, integration problem with parallel computation, review |

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