CS 3100 – Operating Systems

Summer 2013

5:30 pm – 7:20 pm, MW, 250 W 3900 S SLC UT 130

Revision Date: May 6, 2013

Instructor: Jared Plumb
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Textbook: Operating Systems Concepts Essentials
By Silberschatz, Galvin, and Gagne

Prerequisites: CS 2420 – Introduction to Data Structures and Algorithms

Grading:
A = 90% - 100%  B = 74% - 77%  E = 0% - 65%
A- = 86% - 89%  C+ = 70% - 73%
B+ = 82% - 85%  C = 66% - 69%
B = 78% - 81%  C- = 62% - 65%

Quizzes: (~15%) There will be a quiz for each chapter (except chapter 1)

Assignments: (~45%) There will be 3 programming assignments

Exams: (~40%) There will be a midterm and final each covering roughly 4 chapters each

Overview: “Operating systems are an essential part of any computer system. Similarly, a course on operating systems is an essential part of any computer-science education. This field is undergoing rapid change, as computers are now prevalent in virtually every application, from games for children through the most sophisticated planning tools for governments and multinational firms. Yet the fundamental concepts remain fairly clear” (Operating System Concepts Essentials, 2011, p. vii).

Schedule:

Subject to change

May 6, 8  Chapter 1: Introduction
May 13, 15  Chapter 2: Operating System Structures
May 20, 22  Chapter 2 (Continued)
May 27, 29  No Class – Memorial Day, Chapter 3: Processes
          June 3, 5  Chapter 3 (Continued)
June 10, 12  Chapter 4: Threads
June 17, 19  Chapter 6: Process Synchronization
June 24, 26  Midterm - Review
          July 1, 3  Chapter 5: CPU Scheduling, No Class – Independence Day
          July 8, 10  Chapter 5 (Continued)
July 15, 17  Chapter 9: File-System Interface
July 22, 24  Chapter 10: File-System Implementation, No Class – Pioneer Day
July 29, 31  Chapter 10 (Continued)
          Aug 5, 7  Chapter 11: Mass-Storage Structure
Aug 12, 14  Final - Review

Students with Disabilities: Students who have special needs or disabilities that may affect their ability to access information or material presented in this course are encouraged to contact Lee Ellen Stevens, Director of Disability Support Services (DSS), immediately, on campus at 801-957-4529 for additional disability-related educational accommodations. You are not required to disclose these disabilities to your instructor, but the instructor can only accommodate requests that officially come through the DSS.