SU DEPARTMENT OF COMPUTER SCIENCE SYLLABUS

COSC50 SysteSnoftware

PrerequisiteComputer Science II (COSC 220) and Microcomputer Organization (COSC 250) v grades of C or better.

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rd edition, 2013

Beginning Linux Programming, by Matthew and Stones; Wiley Publishingornc, 4 2008

Topics:

The UNIX/Linux Operating System Basics

UNIX/Linux basic commands, login scripts and environment set up, C programmin environment, introduction to basic shell scripts

Working with files

File and directory structure lewwifile access, standard I/O library, formatted input and output.

Process

Basic concepts of Linux process and process attributes, process control using fork, exe wait, process relationship.

Signals

Concept of signals, usage of signal between processes, process functions

Threads

Thread concepts, thread creation, termination, synchronization, thread control, thread attributes

Interprocess Communication

Basic concepts of imptexcess com.001 /t[20 (01 Tw 0.3 0 Td (m)-3 (uni)-1 (c)ogTn60 Td

Grade:Test 120 %, Test 20 %, Fina 80 %Lab/Mini Test 15/5%. Your final g based on the standard formula

A: 90 Total_Average_score

B: 80 Total_Average_score < 90

C:70 Total_Average_score < 80

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D: 60 Total_Average_score < 70 F: Total_Average_score < 60

Exam Policy:

There will be an announcement one week before each exam (middestroprismal exam).

There will be no makes or rescheduling of exams for individual cases (except emergency cases with evidence).

Lab policy:

Lab material will be wided at the beginning of each lab class.

Each student is required to attend a lab session each week and start working on new la Each lab must be done by the beginning of the next lab class. Instructor will check and collect the copy of each studentssduring the lab hour. Each student must be ready to show his/her works at the beginning of each lab class.

Students are expected to work independently on each lab. I have no problem with studer discussing assignments to help understand a problem, learn how to use language feature or debug a program. However, copying code is strictly prohibited. Cropping code another student or any other source (e.g., a web site) is considered plagiarism and will be prosecuted under the Code of Student Conduct at Salisbury University. If two students identical or similar work, both will be given a failing grade.

Late lab work will not be accepted without special permission.

Attendance ach student is expected to be present each lecture. Attendance will be checked each class. If a student misses lectures motienels (2) which without any reason with evidence, he/she will lose 3% from the total average score. If a class must be missed, how students are responsible for all material, assignments, and announcement sclassed durin

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